

A photograph of a woman with blonde hair and a young child sitting on the side of a white van. The woman is wearing a black jacket and the child is wearing a red hoodie. They are both looking towards the right. The van is parked on a sandy beach with the ocean and a cloudy sky in the background. The image is partially obscured by a dark blue curved shape in the top right corner.

# Safety technology for leisure vehicles

Alarm systems | safe.lock | Vehicle detection | Gas detectors | Accessories





**You concentrate  
on enjoying  
yourself.**

**We'll take care  
of your safety.**







## Dear readers,

welcome to the current THITRONIK® catalogue. Would you like to find out more about effective safety systems for recreational vehicles? Then you have found the optimal reading with helpful answers to your questions. In our revised THITRONIK® catalogue, you will find valuable information on all THITRONIK® alarm systems, gas detection and locating systems and unique accessories. In short, this coherent overview contains all the necessary building blocks to create a convincing, individually tailored security system for your recreational vehicle. Regardless of whether it is a motorhome, a caravan, an off-roader or a camper van. To ensure that this safety system is always at the cutting edge of technology, our development team is constantly revising, updating and optimising all our products - for your safety.

When you take a closer look at all THITRONIK® products you will quickly realise that many of them are unique and can only be obtained from Thitronik® in this or a similar form. That is hardly surprising. For 30 years now, Thitronik® engineers have been developing safety systems for recreational vehicles, precisely and specifically tailored to the high demands of motorhomes and caravans, without ifs and buts. In doing so, we attach great importance to one essential aspect that underlines our sustainable actions and thinking: "made in Germany". For Thitronik, this means continuing to expand the production site in Eckernförde and cooperating more closely with regional partners and suppliers.

Enough of the introductory words: enjoy reading the following pages and let yourself be surprised.

**Your Thitronik Team**

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# Professional security systems

## Travelling with a good feeling

Travelling time is holiday time: a time of rest, a time of relaxation. And, most importantly, a time that should be spent as carefree as possible - especially when it comes to questions of personal safety or those that revolve around the protection of one's own belongings.

As already mentioned at the beginning: For the protection of your vehicle and accessories, you will hardly find more specific and effective components than those from THITRONIK®.

All our radio components are coded and immune to tampering attempts, our gas detectors are designed specifically and with high precision for very different gases. And thanks to our unique safe.lock security feature, we even manage to secure the central locking system of all Fiat Ducatos and identical vehicles built from 2006 onwards against replay attacks (only with WiPro III safe.lock).

These are not empty promises: Compare us, you will hardly find a more powerful alarm and security system. An opinion, by the way, that is also shared by renowned trade journals. In 2017, 2018 and 2020, the specialist editors of

Reisemobil International magazine awarded the THITRONIK® WiPro III alarm system and the THITRONIK® G.A.S.-pro and G.A.S.-pro III gas detectors the coveted test victory in the largest ever comparative test for security systems.

In addition to the high safety standard, the testers praised another very important aspect of our safety modules: their convenient and easy-to-understand usability. This starts with the dealer, who appreciates the comparatively uncomplicated and quick installation of the modules - and continues with the customer, who hardly has to worry about anything more than pressing a button on the remote control. All systems are already armed and secured: Vehicle, windows, roof hatches and storage compartment flaps - even your loose accessories in front of the camper if you wish. Highly effective, precise and without security gaps.

Do you have questions about our modules? Would you like tips and information on retrofitting? Please contact us. By the way, at the end of this catalogue you will find an overview of all competent premium partners of THITRONIK®.



Hobby



Concorde

**Dethleffs**  
Ein Freund der Familie



EURA MOBIL

**HYMER**



KOMPANJA



**ROBETA**  
feel the difference

**MagicLine**  
reisemobile nach maß

You intend to buy a new motorhome? The manufacturers listed above will install a THITRONIK® alarm system for you at the factory if you wish.

**All-round security ...**  
**THITRONIK® modules: a strong team**

Each of the THITRONIK® modules is a strong player on its own. But our system is unbeatable as a team. Any unauthorised attempt to enter the vehicle triggers an alarm just as much as an attempt to steal a popular accessory.

Precise vehicle location and highly effective gas detectors round off our concept convincingly.





# Modular system

## BLUETOOTH® Connection module

Convenient control of WiPro III with smartphone and selected smartwatches



## G.A.S.-Pro III

A modular gas alarm system for permanent installation in your vehicle. Reliably warns you of gas leaks and narcotic gas attacks. With integrated siren and wireless unit. Also available for carbon monoxide (CO).

## WiPro III

CAN bus wireless alarm system for motorhomes



## THITRONIK® App

With the THITRONIK® app you have a clear and compact overview of all the functions of your WiPro III.



## Wireless magnetic contacts 868

Wireless magnetic contact with sabotage protection for securing windows, doors, roof boxes, roof vents etc.



## Wireless remote control 868

Permits silent enabling or disabling of the WiPro III.

## NFC Modul

Contactless control of your alarm system



## Pro-finder

Perfect complement for WiPro III or as a "standalone" positioning system

## Radio cable loop 868

Also protects portable goods outside the vehicle, such as bicycles, portable satellite dishes, camping furniture etc.



# All-round security

An alarm system only offers all-round protection if it can be enabled when people are inside. A small appeal to stop the nonsense of outdated motion detectors.



Let's be honest. What do you expect of an alarm system in your motorhome or caravan? That it perfectly protects your vehicle and belongings when you're not there? That's fine! No objections to this high demand. But what if you are not there, but your dog is in the vehicle? You don't have a dog? Alright – let's take it one step further: you or your partner, children or grandchildren are in the vehicle! You are cooking, watching television or want to take a nap at noon or feel comfortable parked at a very isolated site at night. Wouldn't it be good if all storage compartment hatches, windows and doors were actively secured? We are certain: you would answer this question with a loud 'Of course!'. Which puts us in the middle of a heated discussion: how do motion detectors meet these demands? Or to be more specific: does it even make sense to have motion detectors as the central pillar of a security concept in leisure vehicles?

## **The problem with motion detectors**

Hardly a safety net for leisure vehicles is more hole-ridden than the motion detector. Frequent false alarms are destined to occur – or even worse the alarms are disabled by users.





We at Thitronik are convinced that the answer to this is 'Absolutely not!'.

### A closer look at motion detectors

As the name suggests, motion detectors respond to motion and immediately trigger an alarm if they detect a motion. That's a wonderful thing in your car – we agree. However, in a leisure vehicle other factors determine whether an alarm system should be used. As long as you are not there, the alarms could remain enabled. However, even if you leave a window or roof vent open to let air in, all it takes is a curtain fluttering in the wind to activate a motion sensor and thereby trigger a false alarm. You could lower the sensitivity of the sensors – fine, but by doing so you also lower the security level of the system.

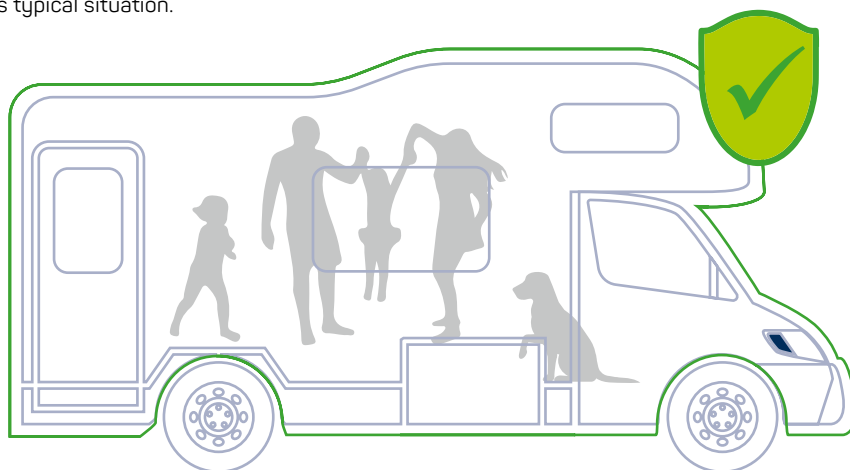
### Irritating factor: false alarms

And honestly: constant false alarms are very annoying – for you and your neighbours alike. But the weightiest argument against motion detectors remains: they offer no protection whatsoever when people are inside the vehicle – because they have to be disabled for this typical situation.

*The decisive point is: the security concept of the motion detector remains patchy.*

Once they are switched off, and only in higher-end systems, only the vehicle doors are secured, and possibly (if retrofitted at great effort and expense) the body door and one or two windows by wired sensors. Yet those are the laudable exceptions – and as already mentioned: installation of the wired sensors requires unnecessarily high investments. It can be done much more cheaply and elegantly – and securely besides. But we'll get to that later. However, you look at it: the security concept of the motion detector for leisure vehicles remains patchy. Moreover, roof windows, side windows, rear garage and storage compartment hatches remain unsecured. An absolute absurdity, as we at Thitronik see it. And you can be sure about

one thing: if motion detectors would only optimise a single aspect of the THITRONIK® security concept – we would be offering them to our customers tomorrow. Right now we are certain – this aspect does not exist. And therefore, we continue to rely on the coherent combination of an efficient alarm system, easy-to-add wireless sensors and a technically advanced GPS vehicle locating system. Trust us: in the development of all our products for leisure vehicles, your safety is our top priority.



# FALSE ALARM

triggered by ...



... pets



... insects flying by



... gusts of wind



... fluttering curtains



... playing children



... warm rising air

# Advantages and disadvantages of motion detectors and wireless magnetic contacts

## Motion detectors



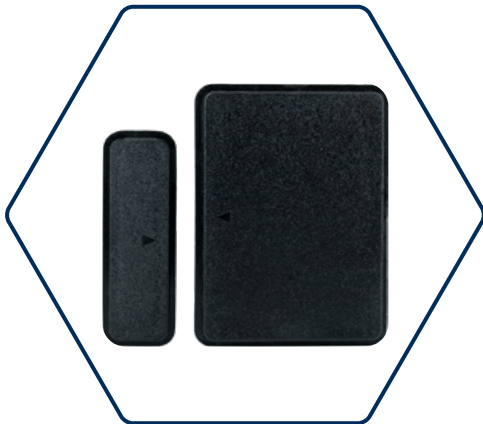
### ✓ Advantages

- Detects intruders in the vehicle when the owner is absent
- Secures the entire interior
- Cheaper to purchase because only one device is needed

### ✗ Disadvantages

- High susceptibility to false alarms
- Restricted freedom of movement of occupants inside the vehicle. when motion detector is activated
- Must be deactivated when campers are present
- Limited protection when sensitivity is lowered
- No protection possible for storage compartment flaps or rear garage

## Wireless magnetic contacts



### ✓ Advantages

- Simple installation without drilling
- Any number of contacts can be retrofitted quickly and inexpensively
- Wireless radio connection
- All wireless magnetic contacts can be "controlled" individually (ventilation function)
- Subsequent teach
- Access to the control unit is possible at any time- Sabotage protection through a second sensitive reed contact
- Low battery level is indicated in good time
- Easy to operate
- Warning for open windows when driving off (departure control/vent-check)

### ✗ Disadvantages

- Each relevant opening must be secured with a separate wireless magnet contact
- Higher acquisition cost because of multiple components

# Anti-Jamming

## No chance for jammers

Criminals are sometimes very creative. In the past, they quickly realised that hinged windows and storage compartment hatches of motor-homes are not a serious hurdle for a dedicated burglary attempt. In most cases, a standard screwdriver is enough to lever out the locks.

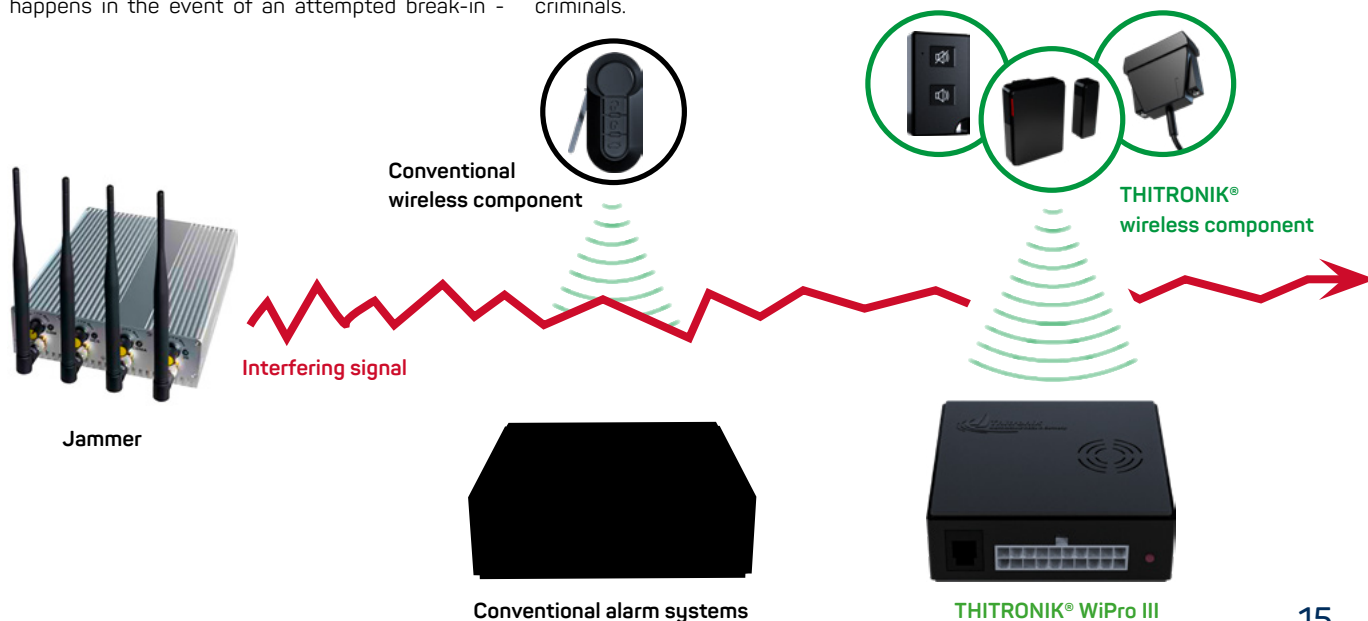
It was now the responsibility of the manufacturers of alarm systems to develop a reliable system to effectively secure windows and doors. The first wireless magnetic contacts came onto the market. They can be mounted quickly thanks to small adhesive surfaces, a small magnetic field between magnet and sensor signals to the control centre: everything is OK. If the sensor and magnet move away when the alarm system is activated - which happens in the event of an attempted break-in -

the sensor sends a radio signal to the control centre and the alarm sounds. So much for the theory. We were talking about creative criminals. Motivated burglars soon realised that this radio signal can be excellently superimposed with a jammer. Effect: When the windows or hatches are prised open, the sensor transmits - but the signal does not reach the control centre. No alarm sounds. By the way, these jammers are silent to the human ear. Well, not only criminals are creative. Thitronik engineers have developed high-precision radio contacts that are completely unimpressed by jammers. If the control centre detects a jamming attempt, it triggers an alarm.

As you can see: With THITRONIK® products you are always one step ahead even of resourceful criminals.

### Reception disturbed

With radio jammers, criminals overlay the signals of the wireless contacts of alarm systems. They cannot do this with THITRONIK® wireless magnetic contacts. The system is immune to such interference attempts, detects the manipulation attempt and triggers the alarm.





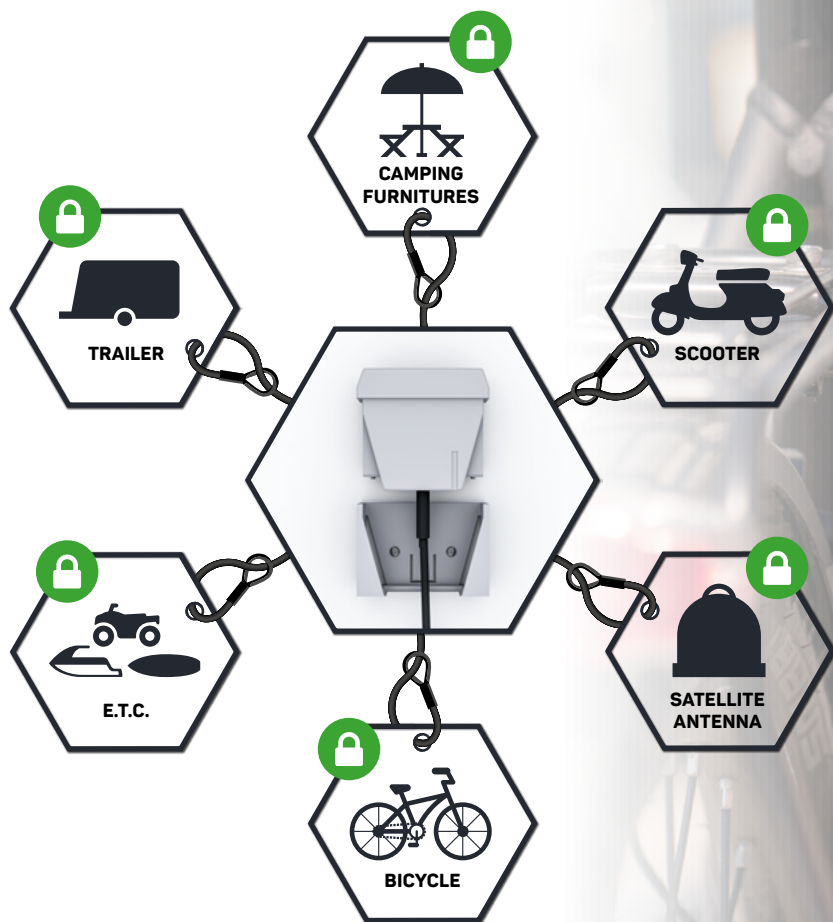
# Radio cable loop

## The clever way to protect your accessories

It isn't easy with valuable accessories. Not every camper wants to go to the trouble of stowing them in the rear garage every night or constantly securing them to things using huge locks. Owners of a WiPro III alarm system can secure their accessories in a much more comfortable way: by simply integrating the THITRONIK® radio cable loop into the security system.

### Versatile, fast, safe ...

Basically, the cable loop is closely related to our wireless magnetic contacts for doors and windows. The only difference is that the holder is the magnet and the head of the cable loop is the sensor. The highlight: the holder can be mounted anywhere on or in the vehicle. Using the cable loop is child's play. Simply pull the slide of the cable loop through the accessory to be secured, for example the frame of the bicycle, the base of the mobile satellite antenna or through the frame of the valuable camping furniture. Now guide the slide through the eyelet at the end of the cable loop (the loop is now closed) and hook it into the holder, done. If the WiPro III alarm system is "armed", the accessories are also secured accordingly. If thieves tamper with the loop, try to pull the slide out of the holder or cut the cable, the head unit immediately triggers the alarm. The system also instantly detects jamming attempts or foreign magnetic fields. Incidentally, you can integrate up to 100 cable loops into the THITRONIK® security system.





### **A strong team**

The radio cable loop comes into its own when the THITRONIK® Pro finder is on board in addition to the WiPro III alarm system. Finder is also on board. Thanks to a SIM card in the device, the tracking system can communicate with one or more mobile phones at any time. If the cable loop triggers an alarm, the owner is immediately informed by SMS and can take appropriate action. Like all THITRONIK® radio components, the cable loop is also powered by button cells (CR 2032). Long before the battery is exhausted, users receive a status message via the control panel to please replace it. The THITRONIK® radio cable loop is available with a black or white holder or slide - optionally in 2.5 or five metre lengths.



# Pre-start check

A brief moment of carelessness: the damage can be enormous. The vent check carries out a short check for you prior to departure. Comfortably, completely automatically.







## Refined comfort functions

The awning has been cranked in, the storage compartment hatches are closed, the dog is sitting safely in the box? Then you're ready to go. Put the vehicle in reverse and carefully manoeuvre out from under the tree. And crack ... the branch has ripped off the open midi heki: what an annoying hassle – and how unnecessary. Apart from incurring a financial loss, the annoying spectacle has of course thoroughly spoiled the good holiday atmosphere.

The THITRONIK® WiPro III's comfort function vent check prevents such accidents long before they can happen – fully automatically and extremely comfortably for the camper. If the camper turns the vehicle key to 'Ignition on', the alarm system's central control unit checks all wireless magnetic contacts installed in the vehicle and alerts the driver with a clear warning sound if an opening on the vehicle is not properly closed. Incidentally, besides roof hatches, rear garage doors are frequently forgotten and then swing open by themselves in the first curve.

If the warning signal for an open roof hatch or open sliding window sounds, the occupants can decide which of them should remain open or whether the roof hatch should not rather be closed for the upcoming motorway stretch. In any case, for now it should be closed – at least until the motorhome is safely out from under the tree.

### Vent-Check

At first glance the vent check might appear to be a nice additional option on the WiPro III.

For many motorhome owners, it has quickly advanced to an extremely valuable and appreciated everyday comfort function.



# easy add

## Comfortable, fast teach-in of THITRONIK® components



### easy add

The easy add symbol informs you of THITRONIK® components that can be comfortably AND quickly integrated into the alarm system.

The security level of an alarm system can be read from numerous indicators, a very important one being its modularity. Does the alarm system consist solely of standalone solutions that do not or only rudimentarily communicate with one another? Unfortunately, this is still a commonly found concept which regularly shows alarming security gaps.

THITRONIK® has always used powerful components which both individually and especially as a team present a capable and highly efficient security concept.

Our customers have complete freedom in selecting the modules. Whether you now select our Pro-finder GPS locating system as the first module or our WiPro III alarm system as the starting component – other modules can easily be added at any time.

Through the combination of modules, you then usually receive not just the sum of the individual functions of our modules, but frequently attractive bonus functions. An example: you supplement the WiPro III with the Pro-finder. You have now not only an alarm system and a locating system detached from each another, but a bonus function enabling the Pro-finder to send the notification of a break-in attempt from the WiPro III directly to your mobile phone.

Now how does easy add come into play here? Well, such combinations of individual modules are easily possible at any time in our system – no matter which starting components you originally chose.

Do you need another wireless remote control, an additional gas alarm, further wireless magnetic contacts or one or two radio cable loops to secure accessories? No problem. Our development team has invested a great amount of know-how and time in order to make the integration of new components, that is, teach-in on the central control unit, as easy as possible for you.

The result: the easy add function, which enables you to connect the new component to the WiPro III central control unit in just three steps: start the teach-in mode, actuate the new accessory (open/close or switch on/off) and quit the teachin mode. Child's play. Teach-in is even easier when customers have our Pro-finder or the BLUETOOTH® connection module in the vehicle and can use the THITRONIK® app easy add 3.0. And don't forget: a new wireless magnetic contact can be installed to a door, storage compartment hatch or window in just a few minutes. All you need to do is clean the mounting surface and carefully position the contacts – easy add. No laborious and time-consuming cable laying.

Despite this comfortable and comparatively unspectacular teach-in procedure, you mustn't forget: the easily added accessory is equipped with highly complex and unique security functions. And as already mentioned at the beginning: a security system can only be highly effective if all components cooperate and others can be added at any time to support them.

### easy add: how it works ...

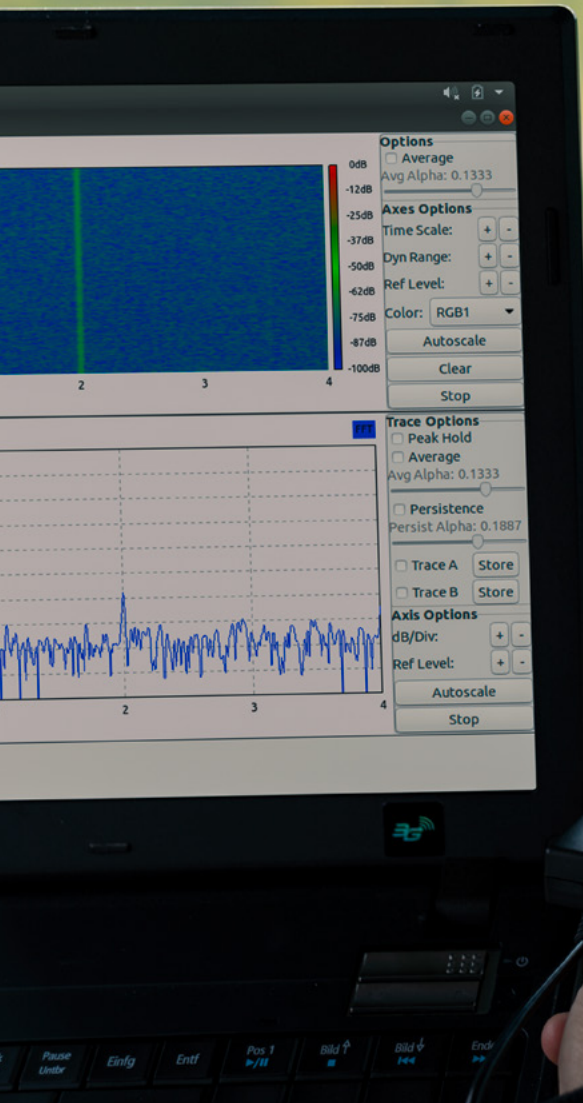
Do you need another wireless magnetic contact for a new roof window or another cable loop or wireless remote control? Integration of the new module can be done in just a few seconds thanks to the easy add function.





# Replay attacks

With laptops and refined hardware, criminals outwit the central locking systems of Fiat, Peugeot, Citroën and Iveco. The damage is often immense. THITRONIK® safe.lock safely locks the vehicles again.



## Security gap central locking system

A central locking system, or ZV for short, should be safe. At least that's what people think. But is it?

Let's take a look. In the past, there were more and more reports of motorhome owners who had their vehicles broken into. The damage caused by stolen valuables was sometimes immense, but the crux of the matter was that there were no traces of forced entry on the vehicle. Had the owners possibly forgotten to lock the vehicle? At least that is what the police and insurers might think. But the reality is that resourceful car thieves use sophisticated electronics.

Let's look at the radio key of the Fiat Ducato, identical models from Citroën and Peugeot, as well as that of the Iveco. When the open button is pressed, the radio key sends a radio signal to the vehicle's electronics. The only problem with vehicles built between 2006 and 2018 is that the key sends an identical signal every time. A simple laptop and hardware available on the internet with the appropriate software are now sufficient to record this signal and, you guessed it, play it again at a later time - whenever it suits the burglar. He can store the open signal as a file and gain access to the vehicle at any time. A horror scenario.

From model year 2019, standard radio keys are already somewhat more secure at the factory - but safe.lock also significantly optimises the security standard of these keys. The development engineers at Thitronik have taken on this problem and developed a powerful additional function to ward off replay attacks: the so-called safe.lock. If you want to make the locking process of your vehicle secure in addition to an alarm system, you should opt for the WiPro III safe.lock - it already has the safe.lock function integrated - safe.lock function is already integrated. How does the system work? Read more on pages 34-37.

### The following vehicles are affected by the security gap:

- Fiat Ducato
  - Peugeot Boxer
  - Citroën Jumper
  - Iveco Daily
- (all from year of construction 2006 up to 2018 inclusive)












### safe.lock

This function is more than just comfort. safe.lock effectively protects motorhomes on Ducato (or similar) bases from replay attacks. Owners can rest assured that their vehicles are secured in the best possible way.

# THITRONIK® app

## An attractive security enhancement

WiPro armed/ disarmed	
Lock/unlock vehicle	
Locate vehicle: you receive a text message with a Google Maps link	
Turn geofencing on/off	
Output A: each output can have any function assigned to it	
Output B: example for an airing function	
Request status report	
easy add mode	
Manuals	



Complex technology presented in an easy-to-understand way: The THITRONIK® app. It not only helps our customers to keep track of the WiPro III alarm system and the Pro-finder via smartphone at all times. The WiPro III alarm system in combination with the Pro-Finder - allows them to activate or deactivate important functions from anywhere in the world\* - via SMS. Our Pro-finder establishes the necessary connection to the mobile network - it is therefore an important basic requirement for our app. A brief reminder: the Pro-finder is our tried-and-tested GPS positioning system, which our Premium Partners install for you hidden in the vehicle. It is therefore not only the linchpin for reliably locating your stolen vehicle anywhere in the world in real time, it also handles the communication between your smartphone (app) and all THITRONIK® components in the vehicle. You want to check whether the alarm system is armed or whether you forgot to lock the vehicle when you left it? No problem: send an SMS to get a status message or, if in doubt, activate the central locking (with safe.lock) and the alarm system immediately via SMS. Would you like to allow your children or friends to access your vehicle remotely? Here, too, all you need to do is send an SMS to the Pro-finder and it will open the door for your loved ones (in combination with the WiPro III safe.lock). But it is not only the user-friendliness that is improved by the app - even elementary settings are much easier to make with it. For example, if you want to teach another wireless magnetic contact - but you no longer know exactly how it works. You can download the latest operating instructions via the

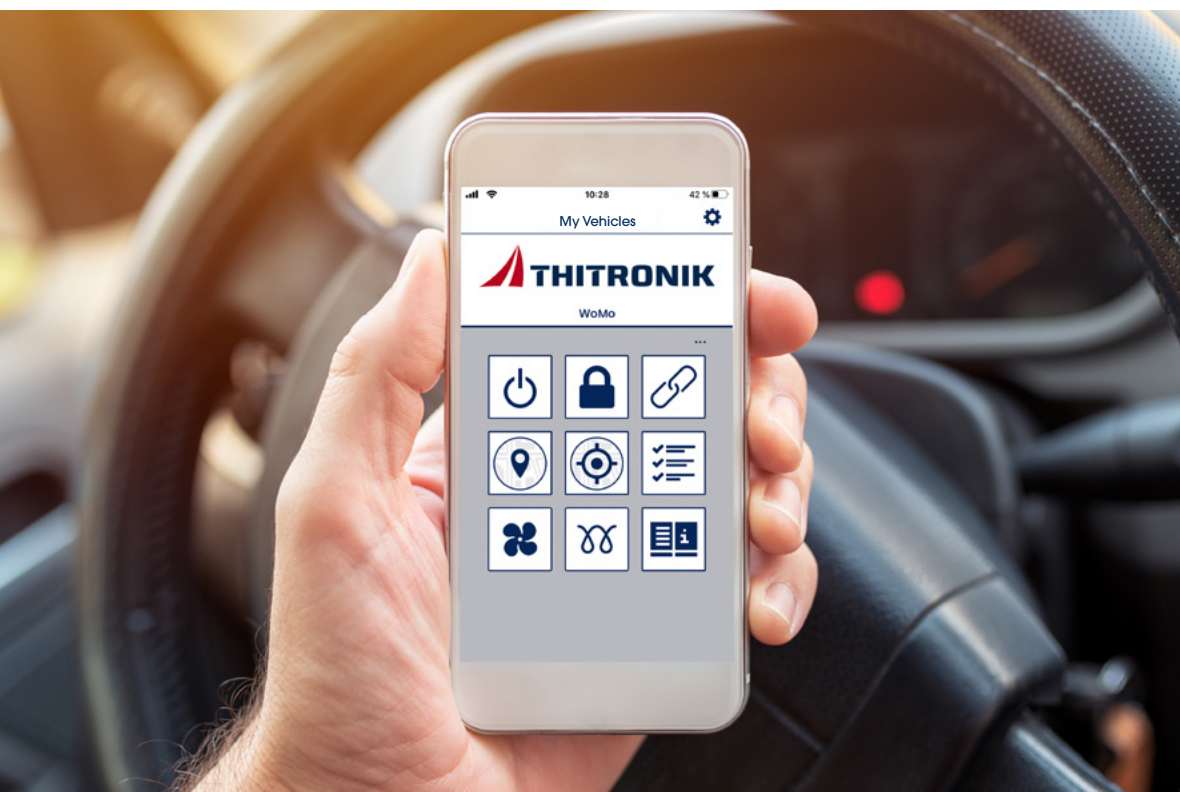
app at any time, free of charge of course. With the WiPro III safe.lock from serial number SN1050-004, the WiPro III from SN0823-012, the BLUETOOTH® networking module and the Pro-finder from SN0699-013, you can even start the teach-in mode for new wireless components directly via the app (update may be required). They are easily integrated into the security system in just a few minutes. Since the Pro-finder still has two free outputs, you can use them to control any devices in the vehicle - such as the awning lighting. The optimised overview of all the functions of our security system not only makes it easier to use, the app also significantly increases the level of security. And what can you personally do if your motorhome has actually been stolen? Well, you can see exactly where your vehicle is with the THITRONIK® Pro-finder. And: With the switch-off function you can prevent the vehicle (not possible with all vehicles) from starting again once it has come to a standstill. Owners of an Apple or Android smartwatch have access to further attractive additional functions. As a basic setup, they need the combination of WiPro III and the Bluetooth® networking module and can then arm or disarm the alarm system at close range via the new THITRONIK® smartwatch app, as well as trigger a panic alarm in the event of a crisis - simply by tapping the watch on their wrist. If you have the WiPro III safe.lock on board, you can even lock and unlock your vehicle via your watch. This means that trips, for example to the swimming pool, are possible at any time without a vehicle key. The key can stay in the safe in the car.

\* Assuming GSM/GPS network coverage





Conveniently control your alarm system via the THITRONIK app on your smartphone or smartwatch.



## On the trail ...

A horror scenario: your motorhome or caravan is stolen. From right in front of your house, or even worse when you're on holiday. Now you need to act fast because with every minute that goes by the chances of you ever seeing your vehicle again decrease.

Ideally, you already received an alarm notification on your mobile phone at exactly the moment that the intruders gained access to your vehicle. You were hence able to inform the police in time before your vehicle was removed from its location – an attractive time advantage. As mentioned, an ideal case in which the THITRONIK® WiPro III detected

the alarm and sent a break-in notification to you and if so desired nine other mobile phones via the Pro-finder locating system.

If the THITRONIK® locating system Pro-

finder is installed as a standalone solution, your defaults decide when the first alarm notification is sent from the system to you. You can, for example, define a virtual fence with a radius of 900 metres around your vehicle. If your vehicle then leaves this secured circle, irrespective of whether it is being driven by the intruder or towed on a trailer (car, caravan, VW bus), you will receive a theft notification. You can of course switch this option, known as 'geofencing', on or off at any time via text message. If Pro-finder and WiPro III are installed as a system, WiPro automatically enables geofencing as soon as you lock the vehicle via the central locking system.

***The THITRONIK® Pro-finder  
locates stolen vehicles in real time  
– a powerful tool for the recovery  
operation.***



# Vehicle locating

GPS satellite technology and the THITRONIK® Pro-finder guarantee the location of a stolen vehicle. At any time, worldwide.





# Brief guide to gases

## You need to know about these gases

Did you know that gas alarms are specialists? Well, basically it's quite simple: gases differ fundamentally in terms of their chemical compositions. That is hardly surprising, considering their purpose or mode of action.

For this reason a gas alarm that should protect you and your family in your vehicle must of course be designed in a completely individual way for this gas. Below is a short excursus on the gases which should be taken into consideration in a vehicle.

*Taken up through inhalation of air, carbon monoxide rapidly leads to severe symptoms of intoxication and in extreme cases to death.*

into the interior through door rubbers, open windows or holes in the windows. Sleeping campers are thus easily but effectively anaesthetised so

that, should they nevertheless wake up, they are aware of intruders but unable to act. The likelihood of such attacks is controversially discussed,

but not ruled out by experts from the criminal investigation department. In order to offer our customers the best possible protection in this case, our gas detectors detect highly efficient KO gases. Like propane/butane, these are heavier than air, so they sink to the floor and fill the room from there. This is one reason why special combination sensors are used for propane/butane and KO gases. gases, special combination sensors are used.

### Carbon monoxide (CO)

Insidious: Carbon monoxide is an odourless and tasteless gas. It is produced by incomplete combustion, such as a defective boiler or auxiliary heating. Carbon monoxide, if inhaled, quickly leads to serious symptoms of poisoning and, in extreme cases, death. CO is minimally lighter than air, so it rises to the ceiling in the camper. An aspect that vividly illustrates why gas detectors for liquid gas/KO gases and those for CO must not be installed in the same place in the vehicle.

### Propane/butane

In virtually every motorhome or caravan, campers cook with a mixture of propane and butane – also known as liquid petroleum gas (LPG) or camping gas. The components may vary depending on the season, but for our consideration this is an insignificant aspect. A legally prescribed gas test guarantees a high level of safety in the vehicle, but cannot rule out the possibility of defects occurring in the gas installation. To warn our customers immediately of highly explosive gases in the event of a gas leak, THITRONIK® offers special gas alarms for LPG which additionally detect KO gases.

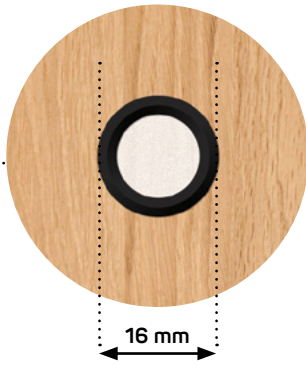
### KO gases

Knockout or anaesthetic gases are used by criminals to stun campers. They pour the liquefied gas

✓ All gas alarms have been developed inhouse by THITRONIK®

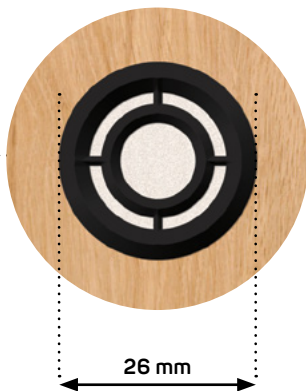
✓ THITRONIK® exclusively uses high-quality electronic components

✓ All components are coordinated with one other



## Small, fine, invisible ...

Properly installed, the G.A.S.-pro and the additional CO sensor are completely out of sight, hidden behind a piece of furniture or the motorhome or caravan wall. There the fitter joins them – all that can be seen are two tiny openings for the sensors. Absolutely inconspicuous.



## Optimal use of gas alarms

### CO gas alarm

Carbon monoxide is lighter than air, rises in the vehicle and accumulates below the ceiling. Ergo: the CO gas alarm must be installed high up in the vehicle.

### Propane/Butane gas alarm

If the propane-butane mixture flows out of the gas system in the vehicle, it collects in the floor region and then rises slowly, given a sufficient flow of gas.

Ergo: the propane/butane gas alarm must be installed as close to the floor as possible.

### Narcotic gas alarm

Narcotic gases are also heavier than air. They fill the space from the floor upwards. To warn the vehicle occupants promptly, the sensor must therefore be placed close to the floor.

Ergo: a narcotic gas alarm must be installed in the vicinity of the floor. Combination sensors for propane/butane and narcotic gas are technically feasible.

### Combination gas alarms

They should warn of both the deadly CO gas and of propane/butane and narcotic gases. As described above, different types of gas require specific sensors.

Ergo: stay away from combination gas alarms that claim to detect propane/Butane, KO gases and carbon monoxide. That is technically not possible.

# Comfort functions

The THITRONIK® security system offers you these unique functions developed specifically for motorhomes and caravans.

## **easy add**

The THITRONIK® security system can be expanded at any time with any number of wireless magnetic contacts, gas detectors or cable loops for securing accessories. The app in combination with the Pro-finder and/or the BLUETOOTH® networking module helps with the easy add 3.0 version during teach-in.

## **Silent function**

A loud horn blaring from the alarm system at night on the pitch? That's not an option, and with many alarm systems you won't make any friends by deactivating or activating the alarm at night. The WiPro III is completely different: you can also operate it quietly without any problems - for example if someone has to leave the vehicle briefly at night.

## **Panic alarm**

You notice someone on your vehicle trying to gain access or possibly steal the valuable e-bikes from the rear rack? Press both buttons on the remote transmitter at the same time and the WiPro III activates a loud alarm to scare away the potential burglars.

## **Ventilation function**

Do you want perfect all-round protection from the activated alarm system at night? But one or more side windows secured with wireless magnetic contacts should remain open for ventilation? No problem. Our system will inform you if a contact is not closed (you may simply have forgotten to close the

window), but will accept this if you confirm it manually. Later at night, you can then close/open the window for a short time to change the opening angle without triggering the alarm. Only when you actually keep the window closed for several seconds does the WiPro III recognise that the opening should remain secured and arm this wireless magnetic contact.

## **Vent check**

Roof hatches and side windows should always remain closed when driving - unless you deliberately set a roof window to the first ventilation level. The THITRONIK® system will therefore always inform you when the vehicle ignition is switched on if a contact, whatever it may be, is not yet closed (cable loop excluded). In this way, you can close windows and flaps to prevent damage - or deliberately leave them in a certain position.

## **THITRONIK® app**

With many useful additional functions and an increased clarity of the alarm system, the THITRONIK® App further optimises our security standard.

## **Battery level indicator**

Don't worry about failure: all our contacts provide advance warning and prompt you to replace the battery.



# THITRONIK® vs conventional alarm systems

	Conventional alarm systems	
False alarm-proof	X	✓
Motion detectors (see P. 12)	✓	X
Modularität durch easy add (see P. 20)	X	✓
Airing function and pre-departure check (vent check) (see P. 18)	X	✓
Anti-jamming (see P. 15)	X	✓
Protection against replay attacks (see P. 22)	X	✓
Radio cable loop (see P. 16)	X	✓
Panic alarm*	X ✓	✓
Silent arming and disarming*	X ✓	✓
Battery level indicator*	X	✓
Remote vehicle immobilisation and alarm system control via app	X	✓
Possibility to integrate gas alarm*	X ✓	✓
External magnetic field protection	X	✓
Possibility to integrate locating system*	X	✓
Alarm memory	✓	✓

\* Function dependent  
upon model



## Modules of the THITRONIK® Security system





WiPro III  
safe.lock  
now also for  
Ford Transit\*  
2019+



COMPATIBLE WITH  
alphatronics  
**one**



The WiPro III is a three-time test winner in the largest comparative test for security systems, in the category of alarm systems. Awarded by the renowned trade magazine "Reisemobil International".

# Alarm center

## WiPro III & WiPro III safe.lock

\*Precondition: Switch lock can be deactivated in the vehicle menu

They are the heart of the THITRONIK® security system: the WiPro III alarm systems. They are specifically developed and designed for use in recreational vehicles, without ifs and buts, without compromise. The result is a highly efficient security concept that, despite advanced, complex electronics, guarantees convenient handling and problem-free retrofitting of additional components at all times.

Let's get down to the finer points: What is the difference between the two versions WiPro III and WiPro III safe.lock? Basically, both systems are completely identical in design. A WiPro III is thus suitable for pretty much every common base vehicle for motorhomes. The safe.lock version, on the other hand, supplements the "normal" WiPro III with a special module, a safety feature that fills a glaring safety gap in Fiat Ducato, Peugeot Boxer, Citroën Jumper and Iveco Daily (model year 2006 - 2018) - and is actually only required by these vehicles. This gap is based on the defective coding of the radio signals via which the standard radio key and the central locking system of these vehicles communicate. In a nutshell: The WiPro III safe.lock solves this problem by constantly changing radio signals. For detailed info, please read the article "Replay attack" (p. 22).

The essential pillar of the WiPro III alarm system: the unique wireless magnetic contacts. Unique because their security level far exceeds any other commercially available radio contact. THITRONIK® wireless magnetic contacts guarantee the best possible protection against manipulation attempts by external magnetic fields or the use of jammers. And it is also unique because customers can integrate up to 100 wireless magnetic contacts into the security network quickly and without any problems. You can read how this works in the article "easy add" on page 20. Incidentally, you can communicate with the WiPro III at any time via our Pro-finder location system, be informed about

alarms or be able to arm or disarm the arm or disarm the WiPro III. The THITRONIK® app, which provides all the important commands and status queries in a clearly laid out manner, helps you to do this.

## WiPro III at a glance

- Simple, intuitive handling
- Wireless magnetic contacts with no wiring
- No fault-prone motion detectors
- No need to disable sensors when vehicle is occupied
- Control of central control unit via remote car key and wireless remote control
- Easy add 3.0: coupling of additional wireless accessories
- via wireless remote control or THITRONIK® app
- Panic alarm function
- Also for vehicles without CAN bus
- Wireless accessories with battery life of approx. 2 years
- Easy battery replacement
- Coupling of up to 100 wireless components possible
- Radio range of up to 75 metres
- Copy-proof through more than 4 billion codes
- Jammer detection ('anti-jamming')
- Remote alarm and location with Pro-finder (optional)



Wireless



CAN-Bus



12V/24V



102 dB



easy add 3.0



safe.lock

## Technical data

Power supply	12 V or 24 V
Standby current draw	approx. 11 mA 12 V
Frequency	868.35 MHz
Wireless range	up to 75 m (in free space)
Internal piezo sound pressure	approx. 102 dB
Dimensions (W × H × D)	100 × 26 × 68mm
Central control unit weight	90 g
Housing protection rating I	P40

You can also use the WiPro configurator to put together your own individual system. Just scan the QR code and get started.



## The right accessories for this



### **Radio cable loop 868**

Secures accessories on the rear carrier or in front of the motorhome.

Art. No. 101068

More on page 56..



### **Wireless gas alarm 868**

Detects propane-/butane gas and anaesthetic gases.

Art. No. 100759

More on page 58.



### **G.A.S.-pro III**

The premium gas detector for highest demands.

Art. No. 101286/101287 (CO)

More on page 66.



### **Wireless remote control 868**

Allows the WiPro III to be activated or deactivation of the WiPro III.

Art. No. 101064

Read more on page 54.



### **Wireless magnetic contact 868**

For securing windows, roof bonnets, storage compartment flaps and body doors.

Art. No. 100757

More on page 52.



# safe.lock conversion circuit board

A safe.lock conversion board turns your outdated, insecure Fiat or Iveco key into a modern and absolutely tamper-proof vehicle key. Parallel to the circuit board, our safe.lock premium partners always replace the immobiliser transponder in parallel to the circuit board in order to guarantee the function of the original vehicle key in the future. By the way, customers can have as many radio keys as they like programmed. These simply function as spare keys, as second keys in the vehicle or luggage, or even as keys for other family members.

## Product information

Power supply	1 × CR2032 (3V)
Range	approx. 75 m (in free space)
Transmitter frequency/power:	868.35 MHz / <10 mW
Transmitter dimensions (W × H × D)	55 × 19 × 3.5 mm

Item no. 101052

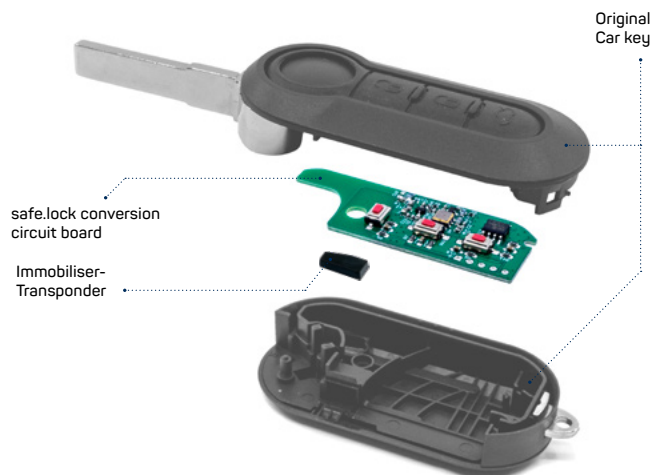
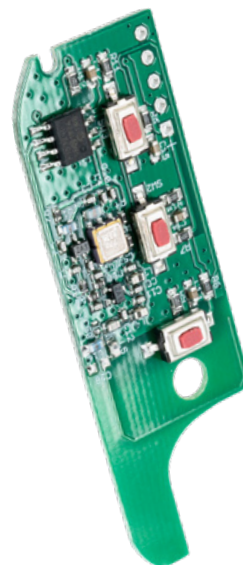
**73,95 €**

## Suitable for:

WiPro III  
safe.lock

## Circuit board exchange

The conversion circuit board makes it possible: despite the new safe.lock technology, you can continue using your original vehicle key. Our safe.lock Premium Partners open the original key, exchange the insecure circuit board with a safe.lock conversion circuit board, insert a new transponder for immobilisation at the same time and teach the converted vehicle key in on the WiPro III safe.lock. Finished!









# Security systems for your mobile home

Have a great time on the road - and no worries.  
Our camper security systems adapt to your security needs.



# Bluetooth connection module

Comfortably operate all functions of the Pro-finder and the WiPro III with your smartphone.



Bringing together what belongs together. Thitronik® offers you a sophisticated module for optimising the THITRONIK® safety system: The connection module. This module couples the smartphone with the WiPro III alarm system via app and BLUETOOTH® in the vicinity of your motorhome. From now on, authorised users can conveniently arm or disarm the system at any time. Owners of a WiPro III safe.lock, which also accesses the existing central locking system, can open and lock the vehicle without a vehicle key or hand transmitter. The networking module can also be integrated into an already installed Pro-finder tracking system.

In future, THITRONIK® will offer the unique function of connecting the THITRONIK® security system to your smartwatch via the networking module - on an absolutely secure, encrypted frequency. Using a special THITRONIK® app, it is then possible to arm or disarm the alarm system and lock or open the vehicle with the WiPro III safe.lock at the simple touch of a button on the watch. So if you are going swimming, biking, hiking, climbing or any other leisure activity, you don't need to carry a radio key or your smartphone with you.

The smartwatch also takes over the function of a radio key in the vehicle - for example, if the vehicle is to be locked from bed in the evening. In the event of a crisis, the panic alarm can also be triggered via the watch by pressing a button. For further applications and networking with additional vehicle functions, the networking module is of course CI-BUS-compatible.

## The connection module at a glance

- Control (arming/disarming) of the WiPro III via BLUETOOTH®
- Control central locking via Smartwatch and smartphone (only in conjunction with the WiPro III safe.lock)
- easy add 3.0 (update may be required)

## Technische Daten

Power supply	12/24 V DC
Current consumption	approx. 4 mA
Wireless connection®	5.0 low energy
Range	approx. 10 m (in free space)
Number of devices that can be connected	8
Temperature range	-20 °C to +80 °C
Dimensions (W × H × D)	52 × 25 × 56 mm
Weight approx.	72 g
Interfaces	2x RJ10 (inputs for WiPro III (safe.lock) and Pro-finder)



**Pro-finder**



**BLUETOOTH®  
Connection module**



**WiPro III**



Control with  
 **Bluetooth®**

 Download on the  
**App Store**

 ANDROID APP ON  
**Google play**





# GPS location

Pro-finder



Fast and precise vehicle location - this is exactly what the Pro-Finder from THITRONIK® makes possible. For this purpose, it uses the Global Positioning System, or GPS for short. In contrast to cheap systems, which often only use the mobile phone network for positioning, GPS guarantees a reliable location worldwide and with almost complete coverage. If criminals steal the vehicle, regardless of whether it is on a trailer or on the move, the Pro-finder immediately informs the vehicle owner as soon as the vehicle leaves a radius of 900 metres around the last location. Once the alarm has been set off, the Pro-finder goes into a kind of watchful sleep mode. It remains active, but cannot be located by special scanners. Because the Pro-finder is certainly not easy to find: THITRONIK® partners are instructed to install it as hidden and inaccessible as possible in the vehicle.

The position data can be sent to up to 10 mobile phones on request and can be displayed in Google Maps. They are so precise that in more densely populated areas an address can even be displayed directly. If, in an exceptional case, not enough satellites are available to determine a clear location, the Pro-finder sends the coordinates of the last clearly determined position.

If desired, the owner can also have status messages and position data sent at set intervals or be informed about the current speed. If the Pro-finder is combined with the WiPro III, a complex, powerful alarm system is created. If the WiPro III detects an attempted break-in or receives the message "gas alarm", the Pro-finder immediately sends an SMS with the corresponding message. Even if a relative present in the vehicle manually activates a panic alarm, a warning message goes out to a desired mobile phone. A huge safety plus.

In one case, however, even the WiPro III is powerless: if the vehicle is loaded onto a trailer without any break-in attempts, it does not recognise a crisis situation. But the system has even prepared itself for this: When the vehicle is locked by radio key, the

WiPro III automatically activates the Pro-finder geofencing function of the Pro-finder. The Pro-finder takes over the alarm as soon as the vehicle leaves the 900-metre radius. A clever plan B.

## Pro-finder at a glance

- Receive alarm messages via SMS
- Locate stolen vehicle
- Can also be used without alarm system
- Remote control of alarm system via app, SMS or call
- Automatic geofencing (virtual fence) through WiPro Functions worldwide\*
- No portal costs
- SMS costs only arise in an emergency
- 2 connectable transistor outputs
- Integrated GPS receiver and GSM antenna
- Easy installation
- Power monitoring
- Special caravan mode

## Technical data

Power supply	12/24 V DC
Power consumption during transmission	approx. 40 mA
Power consumption during standby	approx. 16–25 mA
Transmit frequency	2G/3G
Number of target phone numbers	up to 10
Interface	RJ10 (input for WiPro)
Outputs	2 open collectors (max. 0.5A)
Temperature range	-20 °C to +80 °C
Dimensions (W × H × D)	100 × 33 × 68mm
Weight	approx. 110 g



GPS



GSM



12V/24V



easy add 3.0



App Control



Vehicle Locating



Geofencing



Kill function

### Sophisticated caravan mode

Caravans parked at unsecured sites are easy targets for thieves. If thieves couple the caravan to a vehicle, the on-board Pro-finder immediately begins sending its position to the owner's mobile phone at short, selectable intervals. Completely inconspicuously. The recovery operation can be started.

\*2G/3G network coverage provided

# The right accessories for this

## Shut-off device

Let's assume the worst-case scenario: your motorhome is stolen. Determined criminals, unfazed by the alarm, have forced their way into your vehicle – and are now driving away with it. There is a risk of a total loss. What now?

Ideally, your motorhome should be located and recovered as quickly as possible. Time is running out. Because with every kilometre further away your vehicle gets, the chances of you ever seeing it again decrease and, at the same time, the probability of damage or loss of the equipment and accessories increases.

If a Pro-finder is on board, you have reason to be more optimistic. Thanks to continuous GPS tracking, it can optimally follow your vehicle's location and share this information with the police. If you have combined the Pro-finder with a cut-off relay, you have another, highly effective tool at your fingertips: it can shut down, or immobilise, your vehicle.

How? The Pro-finder has a switchable output. This output can be connected to a cut-off relay. This relay is looped into the vehicle's ignition circuit. If you now send the command 'kill' to the Pro-finder, it will wait until the vehicle has been at a standstill, i.e. the GPS measurement has not recorded any speed, for at least 5 seconds. The Pro-finder will then switch the output to 12 V. The motor switches off – your motorhome can no longer move on its own. The police can recover it much more easily. To find out which vehicles can be used with this disable feature, check the FAQ section of our website: [www.thitronik.de/en](http://www.thitronik.de/en)

### Product information

Power supply	12 V DC
Switching current	40 A
Temperature range	-20 °C to +80 °C
Dimensions (W × H × D)	28 × 64 × 32 mm
Weight	approx. 60 g

Item no. 101283

**29,41€**





## External GSM antenna

Particularly in areas with weak reception, an external GSM antenna offers a much better and reliable mobile phone connection. To make use of it, simply unscrew the rod antenna on the Pro-finder from the antenna socket and screw in the GSM antenna. It's a snap. The small round antenna can be mounted via the self-adhesive rear side at any suitable location.

### Product information

Gain	2.1 dBi
Dimensions (ø × D)	56 × 10 mm
Weight	approx. 60 g

Item no. 100700

**55,46 €**

## GPS-pro

In a few vehicles, the reception of the Pro-finder's internal GPS antenna of the Pro-finder is not strong enough. This is the case, for example, if the Pro-finder is mounted behind metal components. For such installation situations, THITRONIK® offers the GPS-pro, an external GPS antenna which guarantees excellent reception of the GPS signal. With a self-adhesive housing and a two-metre-long cable, installation is flexible and fast.

### Product information

Power supply	12 V DC (via Pro-finder)
Current consumption approx.	24 mA (for search)
Temperature range	-20 °C to +80 °C
Dimensions (W × H × D)	67 × 35 × 15 mm
Weight	approx. 20 g

Item no. 100686

**108,40 €**







# Alarm center

WiPro [easy]

## The wireless alarm system for do-it-yourselfers & Caravan owners

The WiPro easy is the ideal alarm system for caravan owners and DIY enthusiasts. The compact alarm system is easy to install and offers the proven THITRONIK® security standard. The scope of delivery includes a wireless remote control with which you can arm and disarm the alarm system, as well as a wireless magnetic contact. In addition, the system can be expanded by up to 8 further radio components. The 105 dB loud siren deters any intruder and the panic alarm function provides additional security.

The WiPro easy can be expanded in a modular way and thus adapts to your security needs. Thanks to the extensive range of wireless accessories, the alarm system optimally meets every security requirement. It doesn't matter whether your vehicle is the latest in its class or a beloved classic car: the inputs of the alarm system allow it to be used in all base vehicles, regardless of manufacturer or age.

The WiPro easy radio alarm system offers you reliable protection for your vehicle - and is easy and intuitive to operate. Modern wireless magnetic contacts adapt to different window frame models and secure the vehicle shell.

The WiPro easy monitors the shell of your vehicle, not the interior. In case of danger, it reacts faster and more reliably than systems based on motion detectors, which is why you can also activate the system when you are inside the vehicle. In this way, you protect the most important thing: yourself and your passengers.

## WiPro easy at a glance

- Simple, intuitive handling
- Wireless magnetic contacts without wiring
- No interference-prone motion detectors
- Vent check easy: Optical warning when windows or roof hatches are still open.
- Windows or roof hatches are still open
- Stay in the vehicle possible, without deactivating the sensors
- Control of the control panel via the supplied wireless remote control
- Easy add: Subsequent coupling of radio accessories
- Panic alarm function
- Suitable for vehicles without CAN bus
- Approx. 2 years battery life for radio accessories
- Simple battery replacement
- Up to 10 radio components can be coupled
- Up to 75 metres radio range
- Copy-proof due to over 4 billion codes
- Transmitter recognition "anti-jamming".



Wireless



12V



105 dB



easy add

## Technical data

Power supply	Central & Siren 12 V
Standby current draw	Central approx. 6 mA
Frequency	868, 35 MHz
Temperature range	Central -20°C to +80°C
Wireless range	up to 75 m
Volume	Siren 105 dB
Weight	177 g
Housing protection rating	IP 40
Dimensions (W × H × D)	55x28x56mm



You can also use the WiPro configurator to put together your own individual system. Simply scan the QR code and get started.

# Accessories

## Optimised security





# Accessories



# NFC Modul

## The keyless way to control your motorhome

NFC module combines the convenience of keyless access with the proven THITRONIK® security standard.

The NFC module mounted on the inside of the vehicle window as a virtual key, is the perfect control solution for your WiPro III, WiPro III safe.lock and WiPro easy alarm system. Conveniently arm and disarm your alarm system with the enclosed transponder card or with the robust, waterproof accessories, such as a wristband, key fob or compatible credit card. A total of up to 14 transponders can be taught to the NFC module. WiPro III safe.lock owners can also access their

central locking system and lock and unlock their vehicle without a key. The NFC module can be retrofitted as an accessory at any time.

## Proven THITRONIK® security standard

The THITRONIK® NFC module uses DESFire® technology, which is based on the international standard ISO 14443 and offers 128-bit encryption and copy protection. DESfire cards offer a high level of security against physical manipulation. Thanks to these features, the MIFARE® DESfire® technology is an excellent choice for applications that require a high level of security.

### Technical data

Communication	Near Field Communication DESFire® EV2 ISO14443-A (13,56MHz)
Power supply	3 × Alkaline (LR03) AAA Spannung 3 × 1,5 V = 4,5 V
Wireless range	Kommunikation mit der WiPro Zentrale - bis zu 75 m Funkfrequenz: 868,35 MHz
Temperature range	-10° C bis +70° C
Dimensions (ø × D)	89 × 19,5 mm
Weight	100 g

Item no. 105299

**140,33 €**

## Suitable for:

WiPro III  
safe.lock

WiPro III

WiPro easy



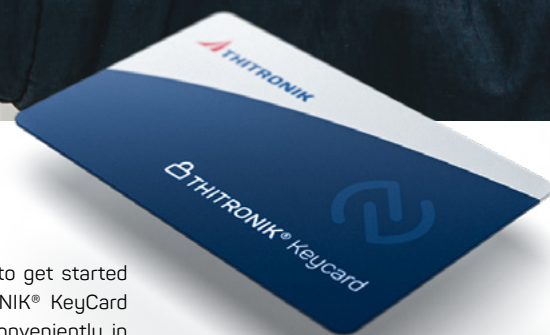


#### THITRONIK® KeyStrap

Our NFC wristband is made of high quality silicone that is waterproof and practical. It is comfortable to wear and has a long lifespan. The NFC chip is sealed inside the wristband and is not susceptible to damage.

#### THITRONIK® KeyCard

Use the supplied key card to get started straight away. The THITRONIK® KeyCard in credit card format fits conveniently in any wallet. As a supplement to the card supplied, up to 13 more can be taught in.



#### THITRONIK® KeyTag (key ring) o. illustration

The THITRONIK® KeyTag is the perfect accessory for anyone who is always on the move. The key tag is small, compact and doesn't stand out, so you can take it with you anywhere - whether it's attached to a lanyard or a wetsuit.

THITRONIK® KeyStrap	105302	21,00 €
THITRONIK® KeyCard	105300	15,96 €
THITRONIK® KeyTag	105301	15,96 €



# Wireless magnetic contacts 868

You have already read the article "Anti-jamming" (see p. 15)? Then you are already well informed about the unique performance of our wireless magnetic contacts.

Did you miss the chapter? Then we would like to inform you here about one of the most inconspicuous and yet most important players in our THITRONIK® safety team.

In short: You will find an almost unmanageable number of wireless magnetic contacts in all kinds of security systems on the market. Most of these contacts have one thing in common: they come from the Far East and have no specific competence to defend themselves against manipulation attempts. Even a second magnet or a jammer placed in the vicinity can outwit such magnetic contacts (see p. 15). THITRONIK® wireless magnetic contacts are immune to these attempts at manipulation, recognise them and immediately trigger the alarm.

For installation on light-coloured body doors or storage compartment flaps, we recommend our white contacts; on darker windows, the black contacts disappear almost invisibly. Incidentally, THITRONIK® wireless magnetic contacts do not transmit permanently - they only transmit when they are activated. So there is no need to worry about electro-smog. This is also the reason why the small, commercially available CR2032 button cell can easily remain in use for two years. And long before the battery goes flat, it sends a signal to the control unit in good time, which in turn warns the owner to change the battery.

You wonder what the 868 suffix is all about? It simply describes the modern and secure frequency band of the wireless magnetic contacts used by THITRONIK®. Cheap products often still use the completely outdated standard frequency 433 MHz. This frequency is extremely susceptible to interference, is now completely overloaded and should not be used in alarm systems.

## Product information

Power supply	1× CR2032 (3V)
Range	approx. 75 m (in free space)
Transmiss freq./power	868,35 MHz / <10 mW
Dimensions (W × H × D)	44 × 34 × 15 mm (transmitt.) 11 × 35 × 11 mm (magnet)
Weight	ca. 33 g

Black | Item no. 100757

White | Item no. 100758

each 57,98 €

Suitable for:

WiPro III  
safe.lock

WiPro III

WiPro easy







Wireless magnetic contacts are optionally available in white or black.

# Wireless remote control 868

Do you know this scene? You lie relaxed in the rear bed in the evening and wonder if all the doors are closed and the alarm is active? The vehicle key lies far away in front on its reserved regular place. Now you have to get up again and march to the front.

Alternatively, you can use the THITRONIK® wireless remote control. It gets its own permanent place wherever you want it. You can now lock or open the vehicle at any time or, in a crisis, if you feel threatened, trigger the panic alarm to draw attention to yourself. But there are many more everyday and unspectacular uses for another wireless remote control. For example, if you want to give another family member access to the vehicle, or if you simply want a spare key.

In addition, Thitronik has been offering you an extension to the THITRONIK® App since 2021. This allows you to use the full range of functions of a wireless remote control on your smartwatch. You can find more information on page 24.



## Product information

Power supply	1 x CR2032 (3V)
Range (free space)	approx. 75 m
Transmiss freq./power	868,35 MHz / <10 mW
Dimensions (W x H x D)	67 x 35 x 15 mm
Weight	approx. 20 g

Wireless remote control sound/mute

Item no. 101064

**57,98 €**



Wireless remote control 868  
loud/ silent, suitable for:

WiPro III  
safe.lock

WiPro III

WiPro easy



# Radio cable loop 868

Small component, huge benefit: the THITRONIK® radio cable loop is installed in no time and integrated into the alarm system comfortably fast. You can leave the cable loops in the storage compartment if you aren't using them; when you need them again, you can take them out and use them to secure your accessories in front of the vehicle – or in the rear garage. Just snap the transmitter unit (slide unit) into the holder – and you're done.

Casual thieves who seize the opportunity to steal something are extremely startled by the alarm. And even if snatchers succeed in breaking into a huge lock you secured your expensive e-bike with – as soon as they manipulate the cable loop, the alarm sounds and gives you the chance to react. The radio cable loop is available with a cable length of 2.5 m and in an XL version with a cable length of 5 m. Between you and me: we at Thitronik consider the cable loop to be one of the most valuable accessories in our security system.

Suitable for:

- WiPro III  
safe.lock
- WiPro III
- WiPro easy



With a white holder and end, the radio cable loop 868 can be discreetly placed on a white vehicle rear or side wall.

Product information	
Power supply	1 x CR2032 (3V)
Range (free space)	approx. 75 m
Transmiss freq./power	868,35 MHz / <10 mW
Dimensions (W x H x D)	50 x 46 x 18 mm
Weight	approx. 77 g
.....	
White   Item no. 100761	
Black   Item no. 101068	each <b>76,47 €</b>
White XL   Item no. 100944	
Black XL   Item no. 101074	each <b>81,51 €</b>





# Wireless gas alarm 868

The wireless gas alarm 868 supplements and optimises the alarm systems WiPro III (safe.lock).

It detects even the smallest amounts of propane/ butane or narcotic gases and thereby raises the safety standard in the vehicle to a whole new level.

Through its connection to the on-board electrical system, it is permanently operational – with no battery replacement necessary. To save on even the minimal current consumption of < 70 mA (for example, in winter storage), you can simply switch off the gas alarm via its housing.

After the wireless gas alarm has been wired to the on-board electrical system, it still needs to be taught in on the central control unit. With the new THITRONIK® app, this is a snap. Customers not using the app are helped by our easy-to-understand operating instructions.

## Product information

Power supply	12/24V DC
Current consumption	approx. 70 mA
Sensitivity	50 ppm
Range (free space)	approx. 75 m
Transmiss freq./power:	868,35 MHz / <10 mW
Dimensions (W × H × D)	38 × 100 × 27 mm
Weight	approx. 60 g

Black | Item no. 100759

**105,04 €**

Suitable for:

WiPro III  
safe.lock

WiPro III



Illustration in original size





**Wireless gas alarm 868:**

The THITRONIK® wireless gas alarm does not need to be wired to the central control unit. It is connected to it simply and comfortably via radio waves. The sensor sends a signal to the central control unit – which activates the alarm. The wireless gas alarm 868 can be combined with C.A.S. II/III or WiPro III / WiPro III safe.lock. Requires power from on-board electrical system.

# Back-up siren/ Additional siren

THITRONIK® offers two different sirens: Additional siren without and back-up sirens with integrated power supply. The latter are rarely used in the Ducato, but in vehicles (Mercedes Sprinter) whose starter battery is located in the engine compartment (power supply could be interrupted by the burglar) and whose horn cannot be controlled by the WiPro III. This is exactly the case if the horn does not work when the ignition is switched off. Caravaners with G.A.S.-pro, but without a self-sufficient power supply, are also happy about a back-up siren. Thanks to its own battery, it makes considerably more noise than the siren integrated in the G.A.S.-pro, and the battery is charged by the car while driving. The back-up siren supports all alarm systems that want to make themselves heard much more and whose power supply is guaranteed by an on-board power supply - for example, when the G.A.S.-pro is installed in a motorhome or caravan (self-sufficient package).

### Product information

Power supply	12V DC
Current consumption	ca. 700 mA bei Alarm
Sound pressure	ca. 105 dB
Weight	approx. 250 g

Back-up siren   Item no. 100089	<b>41,18 €</b>
Additional siren   Item no. 100190	<b>32,77 €</b>

## Back-up siren



Suitable for:

WiPro III

WiPro III  
safe.lock

WiPro easy

G.A.S.-pro III

G.A.S.-pro

## Additional siren



Suitable for:

WiPro III

WiPro III  
safe.lock

G.A.S.-pro III

G.A.S.-pro





# Mounting adapter

Should wireless magnetic contacts secure doors or flaps of the rear garage? Then mounting adapters should definitely be planned. They guarantee optimal fastening and alignment of the contacts, even with larger distances.

## Product information

Dimensions (L × W × H) 40 × 30 × 15 mm  
Weight approx. 45 g

White (Set of 2) | Item no. 100428

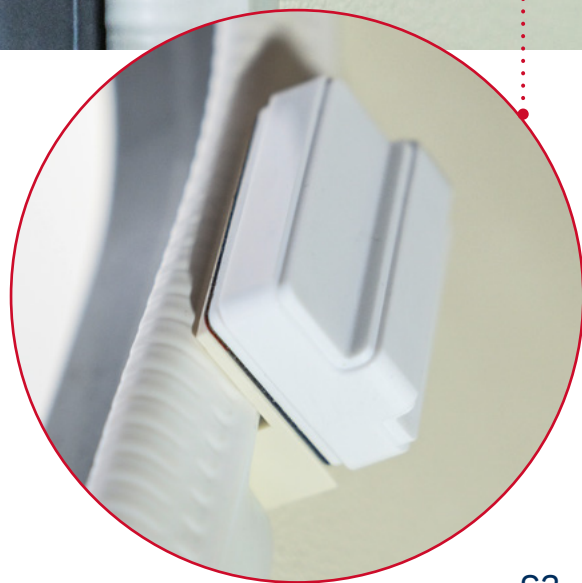
Black (Set of 2) | Item no. 100729 **each 14,29 €**



The mounting adapters are available in white or black











## Minimise risks ... Gas alarm systems





G.A.S.-pro III, best in Test.  
Awarded by renowned German trade magazines such as "Reisemobil International" and "4x4 Camper".

# G.A.S.-pro III

The premium gas alarm  
for the highest demands

As we all know, the better is the enemy of the good - and so more powerful new developments make many a tried and tested product look a little pale. This does not stop us at Thitronik from constantly rethinking our products, optimising them and adding new functions.

One of our latest products, the G.A.S.-pro III, rounds off our range in the exclusive high-end segment alongside the current G.A.S.-pro. It can do everything that the standard G.A.S.-pro can do, but in many respects even better.

The G.A.S.-pro III is even available in two basic setups: once, as is known, with an integrated liquid gas or narcotic gas sensor and once with an integrated CO sensor. Both versions can be combined with another gas or CO sensor.

Apart from that, the G.A.S.-pro III presents itself as a technical quantum leap: Its current consumption with integrated liquid gas/KO gas sensor, for example, drops to a minimum of 26 mA, with integrated CO gas sensor to just nine milliamperes.

The internal siren increases to a piercing 94 dB, and an integrated humidity sensor optimises the already precise measurement in case of high humidity in the vehicle or breathing air in direct proximity to the sensor. In addition, an alcohol filter (liquid gas/ KO gas sensor) eliminates false alarms caused by alcohol in the air.

Last but not least: Thanks to the integrated radio unit, the new G.A.S.-pro III does not have to be connected to the control centre, but only to the vehicle's electrical system. Finally, connect it to the control unit via easy add. Done.

# G.A.S.-pro III at a glance

- Gas detection in accordance with DIN EN 50194-2
- Gas detection in accordance with DIN EN 50291-2 (CO version)
- CI-BUS support
- Detects propane and butane, narcotic gases or carbon monoxide (depending on equipment)
- Continuous temperature compensation
- Regular self-test for determining functionality
- Alarm output/siren output
- Auto sense input
- Alcohol filter function
- Pause and ON/OFF buttons
- LED display for both sensors

## Technical data

Power supply	12/24V DC
Current consumption	9 mA (CO) 26mA (LPG / KO gas)
Sensor inputs	1 × internal, 1 × external
Sensitivity	50ppm (CO) 700 ppm (butane)
Sound pressure	94 dB (internal siren)
Temperature range	-20°C to +60°C
Dimensions (W × H × D)	61×97×35mm
Weight	approx. 74 g



12V/24V



Carbon monoxide



Butane gas



Propane gas



KO/narcotic gases



94 dB



Wireless





The G.A.S.-pro is test winner.  
Awarded by the renowned  
German trade magazine  
"Reisemobil  
International".

# Gas alarm system

## G.A.S.-pro

The THITRONIK® G.A.S.-pro is basically designed as a self-sufficient, modular gas warning system. Once it is connected to the on-board power supply and the gas sensor (propane/butane, narcotic gases) supplied as standard is installed, a highly effective gas warning system with integrated 85 dB siren is ready for use. If desired, another sensor for narcotic gases/propane/butane can now be connected at any time, plus a CO sensor to the third slot.

Like all gas detectors in the THITRONIK® range, the G.A.S.-pro has attractive features: For example, the system checks completely independently whether all activated sensors are in order and operational and informs in the event of a defect - immediately. Manual tests by the vehicle owner, as required by other products on the market, are therefore not necessary.

In parallel, the system permanently readjusts the sensitivity of its sensors according to the current temperature in the vehicle. In this way, G.A.S.-pro guarantees the best possible detection of a crisis situation at all times and also prevents annoying false alarms. But G.A.S.-pro can do much more.

The control panel can easily cooperate with the powerful WiPro III/WiPro III safe.lock alarm system from THITRONIK® - all it takes is a two-wire cable to connect the two units. Now the G.A.S.-pro can access the siren of the alarm control panel, and the alarm situation is also visually indicated by the warning flashers.

In the ideal case, WiPro III and the THITRONIK® Pro-finder location system are already networked. Now, any alarm triggered by the gas detection system would be sent to up to 10 mobile phones by the Pro-finder's transmitter unit. As you can see: The modular system from THITRONIK® leaves little to be desired. And if you still have another one - let us know.

# G.A.S.-pro at a glance

- Detects propane and butane
- Detects narcotic gases
- Detects carbon monoxide (optional; see following page)
- Provides three inputs for sensors
- Continuous temperature compensation
- Regular self-test for determining functionality
- Alarm output (volt-free relay)
- Siren output
- Auto sense inputs

## Technical data

Power supply	12/24V DC
Current consumption	approx. 80 mA per sensor
Sensor inputs	3
Sensitivity	from 50 ppm
Sound pressure	approx. 85 dB (int. beeper) approx. 105 dB (optional siren)
Temperature range	-20°C to +80°C
Dimensions (W × H × D)	100 × 90 × 40 mm
Weight	approx. 140 g



12V/24V



Carbon monoxide



Butane gas



Propane gas



KO/Narcotic gases



85 dB

# The right accessories for this

## Additional sensors for G.A.S.-pro and G.A.S.-pro III

Your motorhome or caravan is unusually long (interior length > 6.5 m) or living areas are separated from each other by doors? In these cases we recommend installing an additional gas sensor. Escaping propane/butane gas or narcotic gases could thereby be detected much more quickly; the central control unit would trigger the alarm long before a critical gas concentration arose. Incidentally, you can connect up to three sensors to the G.A.S.-pro. The G.A.S.-pro III has, apart from the integrated sensor, an input for another sensor (additional or CO sensor).

### Product information

Current consumption	approx. 80 mA
Weight	approx. 50 g
Detected gases	Propane, Butane, Narcotic gases

For G.A.S.-pro  
Item no. 100456  
For G.A.S.-pro III  
Item no. 101289

each **54,62 €**



Additional sensor  
for G.A.S.-pro III



Additional sensor  
for G.A.S.-pro



## CO sensor for G.A.S.-pro and G.A.S.-pro III

There should be a CO sensor in every vehicle – it warns of the odourless but life-threatening carbon monoxide. Installation is completely unproblematic: screw the sensor in just below the ceiling of the vehicle, lay the cable to the G.A.S.-pro or G.A.S.-pro III and connect it there – and you're done.

### Product information

Current consumption	approx. 21mA
Weight	approx. 80g
Detected gases	Carbon monoxide (CO)

Item no. 100433

**83,19 €**





# Gas alarm universal

## GBA-I

It is extremely effective, compact and versatile and has an integrated siren. The THITRONIK® GBA-I detects camping and narcotic gases - can, but does not have to - be permanently installed - and can, but does not have to - be permanently connected to the 12-volt vehicle electrical system. Complete confusion?

In short: The GBA-I can be quickly placed on screw heads on a vehicle wall via drill holes and narrower elongated holes on the back. Put it on, push it - and the GBA-I is firmly fixed in place. It can be removed just as quickly and placed in a similar location. Now the user can either connect it to the 12-volt on-board power supply or plug it into a cigarette lighter, i.e. a car socket, using a connecting cable. As a third power supply option, THITRONIK® offers a 230-volt power supply unit to operate the GBA-I directly from the mains - an advantage for permanent campers. This should clear up the confusion somewhat: The GBA-I is ideal for campers who have a clear idea of how a gas detector can be used flexibly in several locations. Of course, the GBA-I also has effective temperature compensation and the elementarily important sensor self-test, which guarantees its operational capability one hundred percent - or warns in the event of a defect, however unlikely, defect.

## GBA-I at a glance

- Detects narcotic gases, propane and butane
- Regular sensor self-test
- Temperature compensation
- Internal siren
- E1 type approval
- With optional 230V power supply unit – ideal for long-term campers or home use

## Technical data

Power supply  
Current consumption  
Sensitivity  
Sound pressure  
Temperature range  
Dimensions (W × H × D)  
Weight

12/24 V DC  
approx. 70 mA  
from 50 ppm  
approx. 85 dB  
-20 to +80°C  
38 × 100 × 27 mm  
approx. 60 g



12 V/24 V



Butane gas



Propane gas



KO/Narcotic gases



### GBA-I Gas alarm:

This alarm with integrated siren does not require a connection to WiPro III or WiPro III safe.lock. It is mounted on the wall, receives its power supply from the vehicle's electrical system or alternatively via a car adapter or mains adapter.





# Gaswarner to-go

## G.A.S.-plug

There are many arguments that speak in favour of the THITRONIK® G.A.S.-plug 'all in one' gas alarm. Often the decisive one: it is ready for operation after just one step. Simply plug it into a vehicle socket and you're done. Nevertheless, as the G.A.S.-plug is set for propane/butane and for healthdamaging narcotic gases, it should be placed as far inside the vehicle as possible. And especially importantly: the socket should be supplied with power at all times, not just when the vehicle ignition is activated. Despite the lightning-fast installation of the G.A.S.-plug, customers do not have to do without any of the comfort features of our permanently installed alarms: a warning siren and automatic temperature compensation are integrated. Depending on the temperature in the vehicle, it thus completely independently and automatically adjusts its sensitivity at regular short intervals and thus prevents annoying and unnecessary false alarms. In critical situations it is of course 'wide awake' at all times and activates the alarm to protect the vehicle occupants long before a dangerous concentration of a gas is reached.

The G.A.S.-plug can easily monitor vehicles with interiors up to 6.5 metres long. Is the sleeping area separated from the remaining space by a door? Then you should have it monitored by another permanently installed gas alarm from our assortment.

## G.A.S. plug at a glance

- Detects narcotic gases, propane and butane
- Regular sensor self-test
- Temperature compensation
- Installation-free
- Internal siren

## Technical data

Power supply	12/24V DC
Current consumption	approx. 70 mA
Sensitivity	from 50 ppm
Sound pressure	approx. 85 dB
Temperature range	-20 to +80°C
Dimensions (W × H × D)	24 × 30 × 116 mm
Weight	approx. 50 g



12V/24V



Butane gas



Propane gas



KO/Narcotic gases



### G.A.S.-plug 'all-in-one'

The G.A.S.-plug is a completely self-sufficient gas alarm. It fits in every vehicle socket and brings its own siren with it. Ready for operation in record time. Plug in, wait four minutes – done. Thus requires neither integration into the on-board electrical system nor connection to the WiPro III alarm system.

### G.A.S.-pro

Comes with:

- Central control unit
- Sensor for narcotic gases, propane and butane
- Manual, mounting materials
- Alarm sticker

Item no. 100001

**133,61 €**



### G.A.S.-pro III

Comes with:

- G.A.S.-pro III central control unit with integrated siren
- Integrated sensor for propane, butane and narcotic gases
- Manual, mounting material
- Alarm sticker

Item no. 101286

**234,45 €**



### G.A.S.-pro III CO

Comes with:

- G.A.S.-pro III CO central control unit with integrated siren
- Integrated sensor for carbon monoxide
- Manual, mounting materials
- Alarm sticker

Item no. 101287

**234,45 €**



### WiPro III

Comes with:

- WiPro III central control unit with integrated siren
- Wireless remote control 868 (sound/mute)
- Wireless magnetic contact 868 black
- Status LED
- Connection cable
- Quick guide, mounting materials
- Alarm sticker

For Transit from 2006+

Item no. 100752

**360,50 €**

For Mercedes-Benz Sprinter from 2006+ | Mercedes-Benz Vito from 2014+ | VW Crafter from 2006+ | MAN TGE from 2017+

Item no. 100753

**402,52 €**

For VW T5 2003 – 2015 | VW T6 from 2015+ Renault Master from 2003+ | Universal, as well as vehicles without CAN bus and other models

Item no. 100754

**360,50 €**



### Pro-finder

Comes with:

- Pro-finder central control unit incl. cable harness
- Connection cable for WiPro
- Quick guide, mounting materials

Item no. 100699

**402,52 €**



### WiPro easy

Comes with:

- WiPro easy control panel
- Wireless remote control 868 (loud/silent)
- Wireless magnetic contact 868 black
- Interior siren

- Wiring harness
- Installation material
- Brief instructions

Item no. 105237

**251,26 €**



### WiPro III safe.lock

Comes with:

- WiPro III safe.lock central unit with integrated siren
- Wireless remote control 868 (sound/mute)
- Wireless magnetic contact 868 black
- Status LED
- Connection cable
- Quick guide, mounting materials
- Alarm sticker

For Fiat Ducato, Peugeot Boxer,

Citroën Jumper, Iveco Daily from model year 2006+

Item no. 101050

**402,52 €**

for Ford Transit from 2019 (switch lock can be activated in the vehicle)

Item no. 105298

**402,52 €**



### G.A.S.-plug „all-in-one“

Comes with:

- G.A.S. plug "all-in-one"
- Manual
- Alarm sticker

Item no. 100042

**81,51 €**



### GBA-I

Comes with:

- GBA-I
- Connection cable 12/24 V
- Manual, installation material
- Alarm sticker

Item no. 100061

**91,60 €**



### NFC Modul

Comes with:

- NFC Module + KeyCard
- Adhesive Pad
- Quick Start Guide
- 3 × Alkaline (LR03) AAA Batteries

Item no. 105299

**140,33 €**



# Prices

## Wireless magnetic contact 868

Black | Item no. 100757  
White | Item no. 100758

each 57,98 €



## Wireless remote control 868 (sound/mute)

Item no. 101064

57,98 €



## Shut-off device

Item no. 101283

29,41 €



## safe.lock conversion circuit board

for Fiat Ducato key  
(without immobilisation transponder)

Item no. 101052

73,95 €



## Bluetooth connection module

Item no. 101290

108,40 €



## Radio cable loop 868

Black | Item no. 101068  
White | Item no. 100761  
Black XL | Item no. 101074  
White XL | Item no. 100944

each 76,47 €

each 81,51 €



## Mounting adaptor (set of 2)

Black | Item no. 100428  
White | Item no. 100729

each 14,29 €



## Back-up siren

Item no. 100089

41,18 €



## Additional siren

Item no. 100190

32,77 €



## Wireless gas alarm 868

Item no. 100759

105,04 €



## External GSM antenna

Item no. 100700

55,46 €



## GPS-pro

Item no. 100686

108,40 €



## Additional sensors for G.A.S.-pro & G.A.S.-pro III

Item no. 100456 (for G.A.S.-pro)

Item no. 101289 (for G.A.S.-pro III)

each 54,62 €



## CO sensor for G.A.S.-pro

Item no. 100433

83,19 €



## 230 V AC adapter for GBA-I

Item no. 100083

24,37 €



## Universal connection cable 12/24V for GBA-I

Item no. 100097

21,85 €



Errors and omissions excepted. The price list is valid from 01.01.2023. The price list is valid until a new price list is published. All prices plus the value added tax valid in the respective country. All prices are valid as guide prices in Germany. Other prices may apply in other countries.





# Premium Partner

## The strong partners by our side

Do you need comprehensive product advice? Do you want a coherent and competently assembled security system on board? And do you value quick but professional installation? Then contact one of our premium partners. These specialist dealers are intensively trained by us, know the special features of all THITRONIK® products and, of course, support our customers far beyond the purchase and installation in all questions concerning service or additions and extensions to the THITRONIK® security systems. You can currently choose from over 200 premium partners.

One special feature: our safe.lock Premium Partners. These partners offer the complete service for all THITRONIK® products, including the creation of copies for the immobiliser transponders.

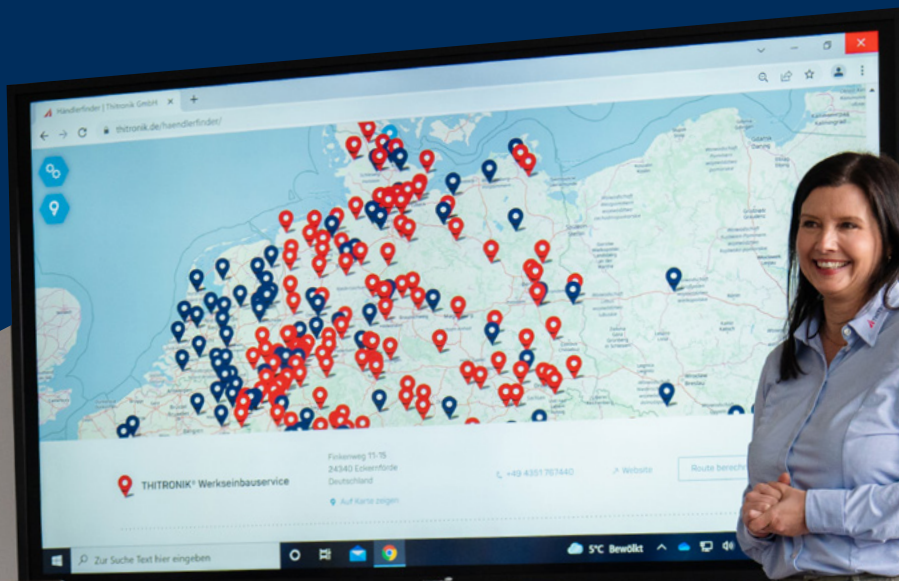
Why is this service so important? Take a look at the article "Replay Attacks" (p. 22) and you will understand why Thitronik attaches such great importance to this service. You don't have a Premium Partner

nearby, but you are in the vicinity of Eckernförde from time to time? Then come and visit us. Simply make an appointment, drop by and enjoy first-hand advice.

Of course, you can purchase our entire product range from numerous specialist dealers and workshops that are not directly connected to our Premium Partner network.







Authorised  
THITRONIK® dealers  
near you

Contact a THITRONIK® dealer near you to learn more about our products. Our experienced dealers will be happy to answer any questions you may have and help you choose the best security solution for your needs.



Use the dealer finder to find a THITRONIK® partner near you. Simply scan the QR code and get started.

THITRONIK®  
Factory Installation  
Service Eckernförde







"If the Pro-finder had not reported the attempted burglary, I might not have a motorhome today."

**Jan from Berlin**



In the picture (from left to right): Sascha from THITRONIK® Support, Jan and his wife Gwenn

Jan H. and his wife live in Berlin and have fulfilled their big dream of owning their own camper. Recently, someone tried to break into their camper. And this was prevented thanks to the THITRONIK® alarm system - the Pro-finder alerted in good time and the attempted break-in was prevented. We invited Jan and his wife to Eckernförde to talk about this incident.

# Burglary attempt prevented - thanks to THITRONIK® security technology

**Hi Jan, you contacted us and told us that someone tried to break into your camper. Why don't you tell us how it happened?**

We were at home in our flat in Berlin Mitte when a call from my camper reached me in the early evening. Shortly afterwards, a message popped up that there had been an attempted break-in.

**That must have been a shock. How did you react then?**

I went down straight away. There he was with his hazard lights on. The horn had stopped. About 100 metres further on, two figures were standing in the half-shadow ... I can't say for sure whether they were the burglars, but they behaved remarkably inconspicuously and disappeared as soon as I got to the vehicle.

**Okay ... Cross your heart Jan, you do know that you put yourself in danger at that moment?**

That's true. Afterwards I thought to myself, ... if they had been in there now, who knows if they would have been friendly to me.

**We always recommend playing it safe and calling the police. How did you find your camper there?**

When I arrived at the camper, I saw that the lock on the driver's door was broken. I think they stuck a screwdriver in there and turned it by force. They didn't get any further because of my disturbance.

**What luck that nothing worse happened!**

Absolutely. If the Pro-finder hadn't notified me of the attempted break-in, I might no longer have a motorhome today. That is also the reason why I have extended my THITRONIK® alarm system with the shut-off device.

**A very good decision. Now you can simply use the shut-down function in your THITRONIK® app. Your motorhome would then come to a standstill within a short time ... and also no longer drive on.**





## THITRONIK® Better with safety

### We are close to home

... and cosmopolitan. We are currently expanding our customer and dealer base to other European countries. But our anchor point is and remains the true north. Thitronik was founded here in 2010. In 2019, we moved from Kiel to Eckernförde, in larger and more modern production facilities. We develop, test and produce our products here on site in Eckernförde. Also with our We also pay attention to regionality when it comes to our suppliers and can thus avoid unnecessary transport routes. Safety "made in Eckernförde".

### We think about the future

... of our environment, our employees and our company. And we take our responsibility as a player, partner and employer seriously. Our products stand for quality, safety and longevity. So do we.

Thanks to our in-house photovoltaic system we not only cover our entire production needs with sustainable energy. The plant also supplies four electric charging points for cars.

### We are market leader

... in the field of security technology for the mobile home. Since the company was founded in 2010, we have grown rapidly. Our security technology is so convincing that our products lead the products lead the market in Germany. Currently, all Thitronik® products are available in specialised shops throughout Germany. Of course, we are very proud of this. We are and will remain owner-managed. That's why we have a familiar and down-to-earth way of doing things. Our Nordic, grounded manner is as much a part of as much a part of us as our passion for technology.

### We are techies

... who love their craft. We design our work processes efficiently - with state-of-the-art production and development technology and 3D printers for prototyping. This allows us to concentrate on what we love to do best: We develop, test and build technology that simply makes you that simply gives you a good feeling. Because in addition to technology, the happiness passion.



## Our mission?

The most beautiful way to travel,  
as safely as possible.









**Thitronik GmbH** Finkenweg 9 – 15 · 24340 Eckernförde  
+49 4351 767440 · kontakt@thitronik.de · www.thitronik.de

