

We reserve the right to make technical alterations. March 2010



Ultramodern remote control technology for your patio comfort

The WeiTronic operating comfort allows you to control your weinor accessories with ease through practical weather sensors

www.weinor.com

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Accessoires
WeiTronic
remote
control
system

WeiTronic 1

www.samsonawnings.co.uk

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Remote control at a high level
Shade, light and heat can be easily controlled remotely with weinor remote control technology. Awnings, lighting and heating can be fitted with remote controlled receivers of the **WeiTronic Combio** series. With just one **WeiTronic Remoto** remote control unit you can control all the equipment independently of each other or together. It couldn't be more comfortable.

Technical details

WeiTronic Remoto

- **Safety**
Thanks to narrow band transmission on the 868 MHz frequency without faults or interference from adjacent frequencies
- **Range**
Up to 100 m outdoors
- **Operation**
Easier than TV remote controls, good looking and handy
- **Dimensions**
Width 55 mm, height 118 mm, depth 22 mm
Wall bracket diameter approx. 47 mm
- **Weight**
Approx. 80 g

WeiTronic Combio

- **Reception and operation**
The **WeiTronic Combio** receives the radio signal from the **Remoto** handheld unit and, for example, starts the tubular motor that is integrated into the awning
- **Pre-setting**
The receivers are paired with the **Remoto** handheld units and sensors in the factory
- **Service friendly**
As it is separate from the motor, the receiver can be replaced and existing systems can be added to without removing the motor
- **Intelligence**
The **WeiTronic Combio** "remembers" the settings and can be programmed accordingly
- **Inconspicuous looks**
The small device will disappear unobtrusively into a design bar or the awning

WeiTronic sensors

- **With or without electric leads**
Depending on the requirements the sensors are fed by solar cells or a 230 V cable
- **Control**
The sun function of the **WeiTronic** sensors is activated and deactivated via a **Remoto** handheld unit

Wall sensor

WeiTronic Unitec-868

- Fitted to the wall, it controls one receiver or a group of them



The technical product highlights of the WeiTronic Remoto remote control units



WeiTronic Remoto 1 with wall holder

WeiTronic Remoto 1

It controls 1 receiver (e.g. an awning with **WeiTronic Combo-868 MA**) or a group of receivers (e.g. dimming function for lighting or heating).



WeiTronic Remoto 5

WeiTronic Remoto 5

It controls 5 receivers (e.g. 5 awnings) or 5 groups of receivers (e.g. 5 groups of awnings) individually or at the same time.



Remoto wall holder

Practical wall holder

This gives the remote control unit a permanent home on the wall.

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WeiTronic Remoto 1M

WeiTronic Remoto 1M

It controls 1 receiver (e.g. an awning with **WeiTronic Combo-868 MA**) or a group of receivers (e.g. dimming function for lighting or heating), and, in addition, it activates or deactivates the sun sensor **WeiTronic Lumero-868**, the sun and wind sensor **WeiTronic Aero-868 AC 230/Solar** or sun wind and rain sensor **WeiTronic Sensero-868 AC 230 Plus**.



WeiTronic Remoto 5M

WeiTronic Remoto 5M

It controls 5 receivers (e.g. 5 awnings) or 5 groups of receivers (e.g. 5 groups of awnings) individually or at the same time, and in addition it activates or deactivates the sun sensor **WeiTronic Lumero-868**, the sun and wind sensor **WeiTronic Aero-868 AC 230/Solar** or sun wind and rain sensor **WeiTronic Sensero-868 AC 230 Plus**.

The technical product highlights of the weinor **Combio** remote control receivers



WeiTronic Combio-868 MA

The receiver controls conventional tubular drives. It is supplied with a 5 m connection cable and an integrated Hirschmann plug STAK3.

It can also be easily fixed to the outside of the awning belatedly. The **WeiTronic** remote control ordered with a weinor awning is paired before being delivered. The receiver's aerial can be adjusted easily to optimise reception (e.g. over longer distances).



WeiTronic Combio-868 HD

The receiver controls and dims the **heating system Tempura**. It is supplied with a 6.5 m mains lead with earthed plug (IP44).



We recommend the combination of **WeiTronic Combio-868 HD** and **Design Bar**.



WeiTronic Combio-868 LD-AB

(phase section dimmer) controls and dims the Lux spotlights. The Dimmer is integrated into the product and compatible to a number of electric transformers (see manufacturer's instructions) up to 350 watts and filament lamps.

WeiTronic Combio-868 LD-AN

(phase section dimmer) suitable for fans, wound transformer filament lamps. Up to 350 watts.

i The entire system's intelligence is hidden in the **WeiTronic Combio**. The **Combio** notes the settings and can also be programmed individually.

The technical product highlights of the weinor **Combio** remote control receivers



WeiTronic Combio-868 MVL

(patent pending DE 102004006397.4)

The all-in-one **WeiTronic Combio-868 MVL** remote control receiver operates three devices in one: motor, Valance Plus valance and lighting. In addition to cutting simplifying the installation procedure, the main feature of this remote control device is its unique, innovative coordination of various operations. It prevents an extended valance from sweeping things away or objects getting caught up when an awning is being opened or retracted. All the above is achieved using an innovative one-channel device for both the awning and the Volant Plus which ensures error-free operation and is compatible with all available WeiTronic weather sensors. With the **Combio-868 MVL**, the lighting is operated and regulated via a second remote-control receiver. With this device, the integrated lighting system in the awning can be easily switched on and off and dimmed as usual.

Technical features

- Only one cable inlet
- Less space required
- Lower power consumption (consumption in stand-by mode 60% lower)
- Fewer electronic components (only one mains adapter, only one remote control unit, etc.); greater preservation of resources as a result
- Easy-to-use, coordinated one channel operation of awning and Volant Plus valance.

Example

- press DOWN key once = awning opens;
- press DOWN key twice = valance opens;
- press UP key once = valance moves up first, after which the awning retracts without delay.

This sensor is only available with orders for the motorised **Valance Plus** on the **Topas, Cap** and **Opal Design/Lux** awning.

WeiTronic Combio-868 ML

The all-in-one **WeiTronic Combio-868 MVL** remote control receiver operates both motor and lighting with just one set of controls. Reduced energy consumption and a simplified installation procedure are just two of the outstanding features of this receiver. Both control units can be operated individually via 2 channel, making them perfect additions to the proven WeiTronic operating concept.

Technical features

- Only one cable inlet
- Less space required
- Integrated into the product where it is installed
- Reduced power consumption in standby mode
- Fewer electronic components of resources as a result

Example

- Channel 1: Awning UP or DOWN
- Channel 2: Lighting ON/OFF or dimmable

The remote control in combination with **Cassita Lux, Opal Lux, Opal Design Lux** and **WGM Sottezza Lux**.

The extended WeiTronic range



WeiTronic wall remote control unit Unitec-868

It is wall-mounted and enables control of one or a group of receivers from a fixed location. It can also be used to activate or deactivate the sunlight function of a WeiTronic sensor.



WeiTronic Agido-868

The WeiTronic Agido-868 recognises vibrations and other forms of movement in the sensor component and further protects the Opal Design Lux folding arm awning with WeiTronic remote control. As soon as the intensity of a motion exceeds a preset, customised threshold, an UP command signal is transmitted in the WeiTronic remote control protocol. When connected to a smart calibration remote control device, this results in the awning being retracted.



WeiTronic AstroTec-868

When used in conjunction with a WeiTronic Combio remote control receiver, the remote control time switch is designed to switch the heating system Tempura on and off at pre-set times. Naturally it can also be used to control awnings.

The AstroTec-868 can be mounted easily on a wall, and from its fixed location its multi-language facility (language can be selected) can be used to set it. The unit has several switching programmes. That way, different settings can be used for weekdays, weekends, holidays and the level of sunlight.



WeiTronic Combio-868 ST

Remote control socket to switch on electrically powered appliances with a power consumption of up to 2000 W. Turn on or off (with a Remoto remote control). For use in dry rooms only! A switch additionally allows local operation.

Technical features

In contrast to conventional sensors that use vane or hot wire anemometers and usually need to be fitted in areas exposed to wind and sun, the acceleration sensor, which is fitted into the front rail of the folding arm awning, is far more capable of recognising the impact of heavy movements caused by wind forces and vandalism acting on the awning. As the sensor is operated by remote control, it is easy to install and requires no wiring. If certain electronic

peripheral modules in the sensor are not required for the time being, e.g. a microprocessor or remote control unit, these are deactivated in the innovative circuitry design. This highly energy-saving technology means that a sensor can be powered over several years on just two standard batteries. Once the pre-set threshold has been exceeded, all of the functional units immediately become activated and the awning is retracted.

The technical product highlights of the WeiTronic sensors



WeiTronic Aero-868 solar

This sun and wind sensor is powered by a solar cell and does not need a connection lead. It retracts the awning automatically in the wind and opens it in sunlight.

The sensor's automatic sunlight detector is activated and deactivated with a **WeiTronic Remoto 1M, 5M** or **Unitec-868**. The wind function cannot be deactivated. The trigger value for wind and sun can be set on the unit. That way, its sensitivity can be set to match local conditions.

The unit has two buttons to control movement and enable the programming to be checked.



WeiTronic Aero-868 AC 230

This sun and wind sensor is fed from a 230 Volt source and retracts the awning automatically in the wind and opens it in sunlight.

The sensor's automatic sunlight detector is activated and deactivated with a **WeiTronic Remoto 1M, 5M** or **Unitec-868**. The wind function cannot be deactivated. The trigger values for wind and sun can be set on the unit. That way its sensitivity can be set to match local conditions.

The unit has two buttons to control movement and enable the programming to be checked.



WeiTronic Sensero-868 AC 230

This innovative sun-wind-rain sensor also retracts your awning when it starts to rain. In addition to the light sensor, this device has a flowmeter underneath, and since it has no windmill, is significantly slimmer than previous models.

The sensor's automatic sunlight detector is activated and deactivated with a **WeiTronic Remoto 1M, 5M** or **Unitec-868**.



WeiTronic Lumero-868

The sun sensor is powered by a solar cell and does not need a connection lead. It opens the awning automatically in sunlight. The sensor is activated and deactivated with a **WeiTronic Remoto 1M, 5M** or **Unitec-868**.

i Delay times:

Wind: if the trigger value has been reached the unit is retracted and remains locked for 15 minutes.

Sun: the unit only reacts when the sun sensor is active (sun symbol on the handheld unit). When the sensor is active and the trigger value has been reached or exceeded for 5 minutes the awning opens, but it can be overridden manually. If sunlight goes below the trigger value for 15 minutes the awning retracts, but it can be overridden manually.

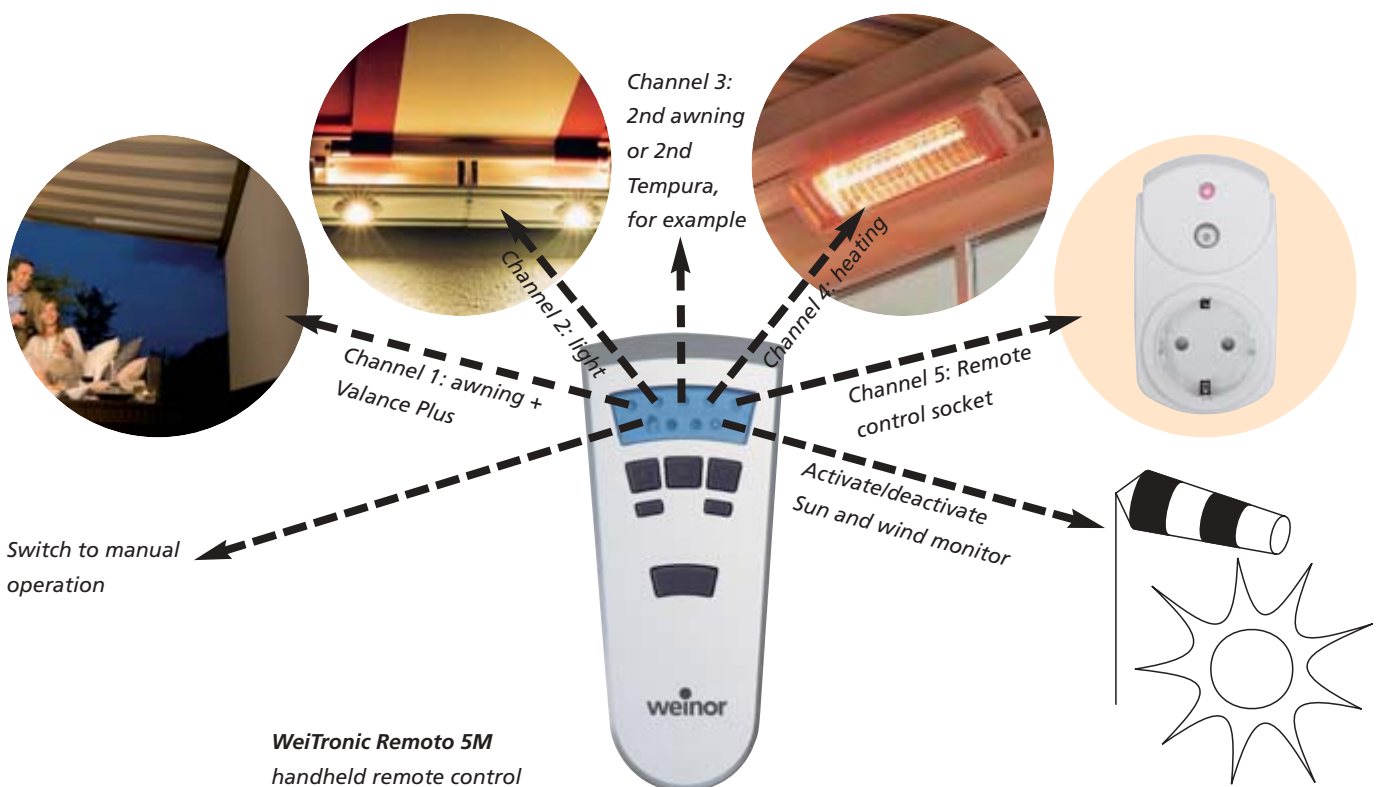
i For sun shades whose main purpose is protection from view (also for exhibitions), we recommend the 230 Volt versions.

Comfortable WeiTronic remote control

Examples of WeiTronic remote control functions

Required function	Handheld unit required	Receiver unit required	Sensors required
I. Open and retract one awning	> Remoto 1	+ Combio 868 MA	
II. Open and retract one awning + automatic sun & wind functions	> Remoto 1M	+ Combio 868 MA	+ Aero-868 Solar
III. Open and retract one awning + control and dim light (e.g. with Opal Lux)	> Remoto 5	+ Combio 868 ML	
IV. Open and retract one awning + control and dim light retract or extend Valance Plus + control and dim heating system Tempura + automatic sun & wind functions	> Remoto 5M	+ Combio-868 MVL + Combio-868 HD 1.5 kW	+ Sensero-868 AC 230 Plus

Functional diagram for operating WeiTronic remote controls



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