

# Elero 868 Remote System Layout Description



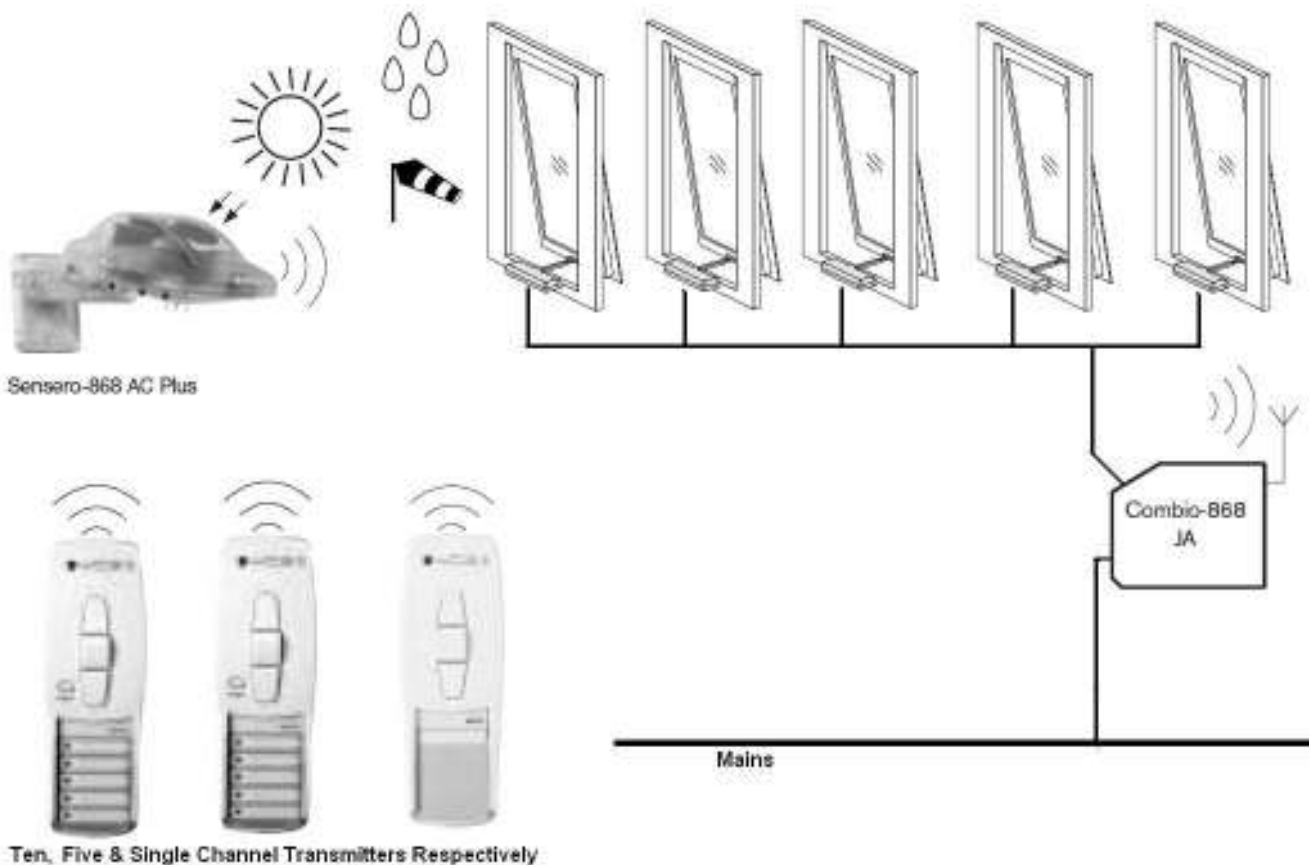
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## Basics:

The Elero 868 Radio Remote Control System consists of four basic parts; The Transmitter, the Receiver, the Motor and the Weather Sensor. One can use different combinations of these parts to achieve different levels of control. Some basic layouts follow. One must just keep in mind the distances involved and make sure that all receivers being used at one time are in range of the transmitter.

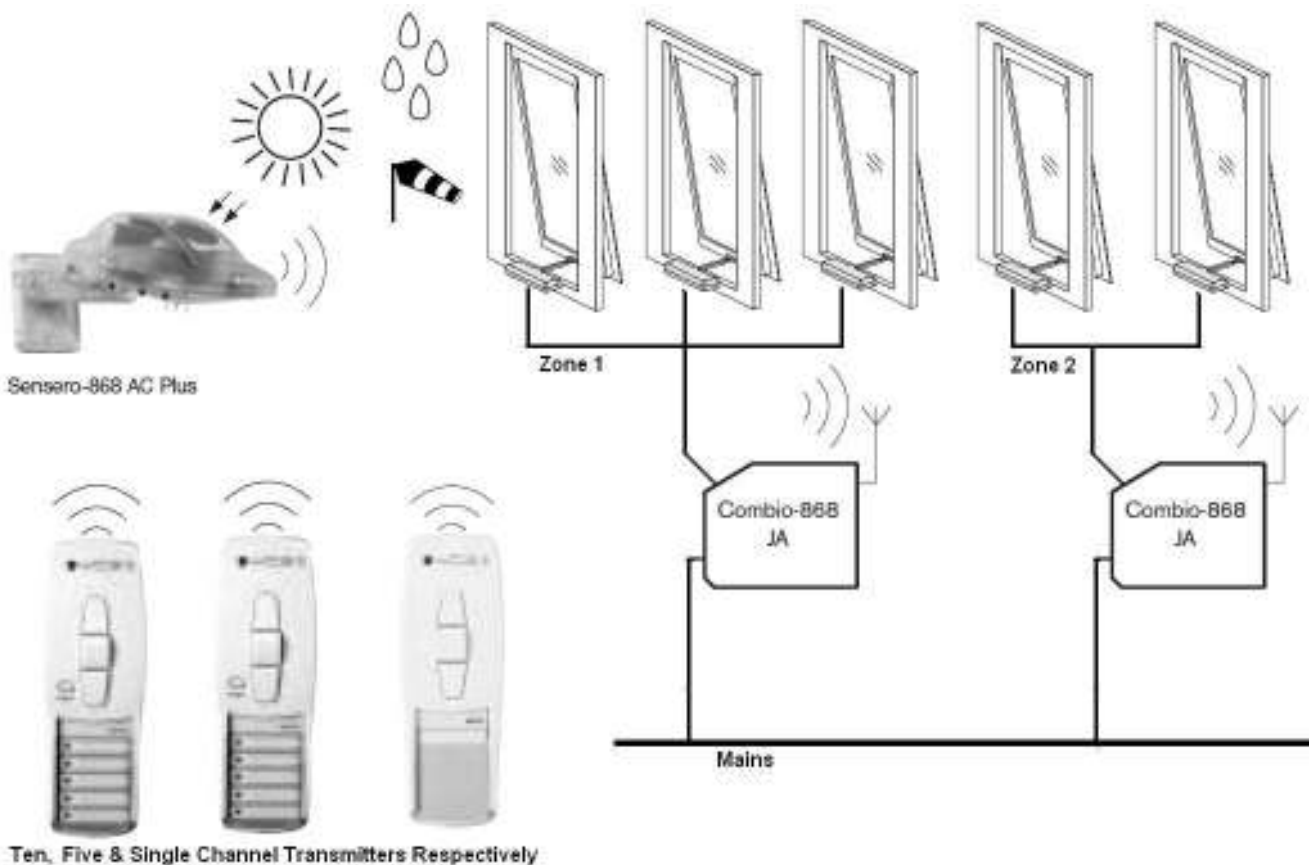
## Single Channel Combined Control(Simplest):

The simplest arrangement is to use a single Combio-868 Radio Receiver connected in parallel to a number of motors depending on the motors being used. This is the simplest and cheapest arrangement and needs only a single Combio-868 Radio Receiver and a single LumeroTel Single Channel Hand Transmitter in its simplest form. The Sensero-868 Weather sensor can be connected to any system as an optional extra.



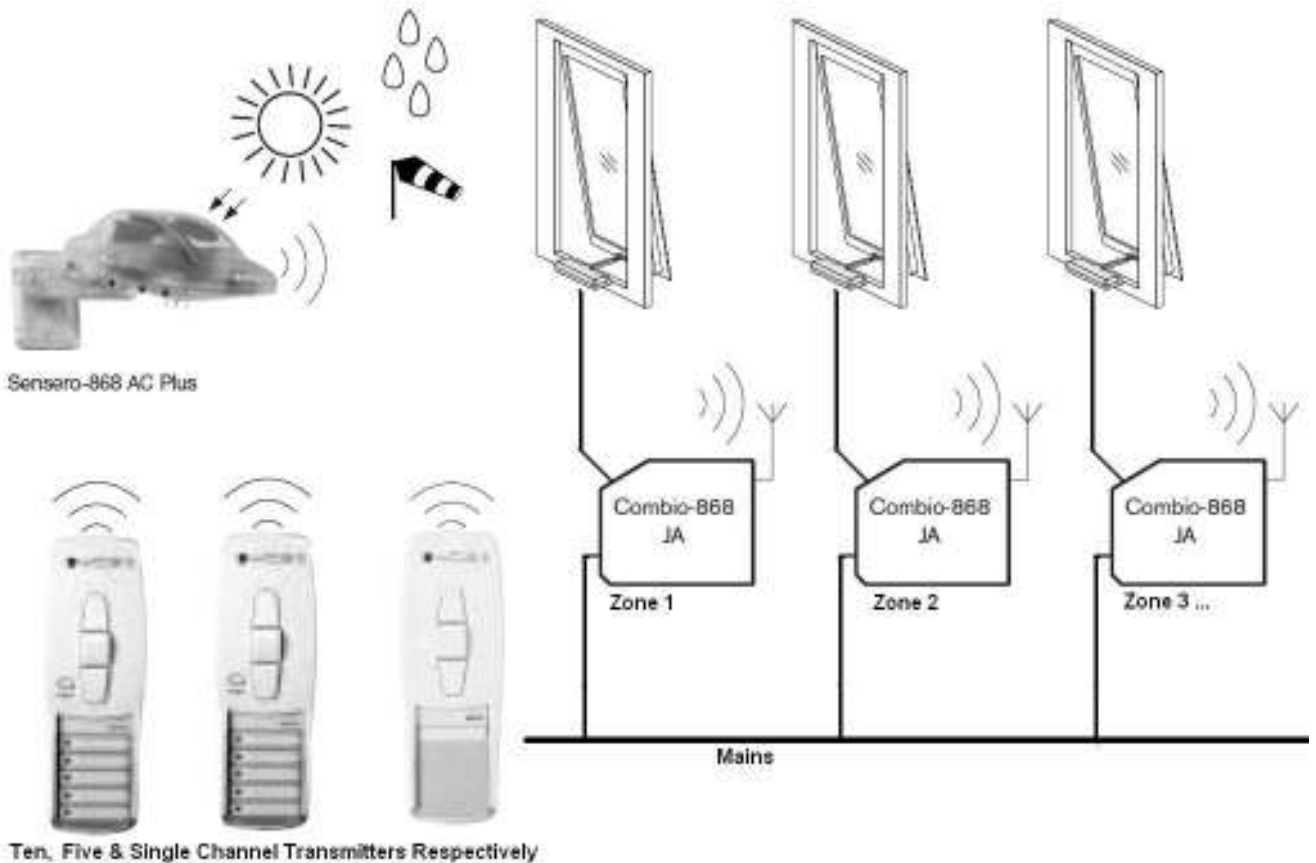
## Multi-zone Combined Control:

If one wishes to have individual control of separate rooms or banks of windows, the combined control of above can be duplicated to multiple rooms or banks of windows each of which will be considered a separate zone with its own Combio-868 Radio Receiver. Here one will then use a multi-channel transmitter depending on how many zones are needed to enable individual control of each zone as well as combined control through the combined channel available on all multi-channel transmitters. Scene as the Combio-868 Radio Receiver can have multiple transmitters programmed into it one can also programme a single channel remote into each zone where required which will then act as a local transmitter while the multi-channel transmitter could then act as a master transmitter. Again the Sensero-868 Weather Sensor can be used for all the zones within its range.



## Complete Individual Control:

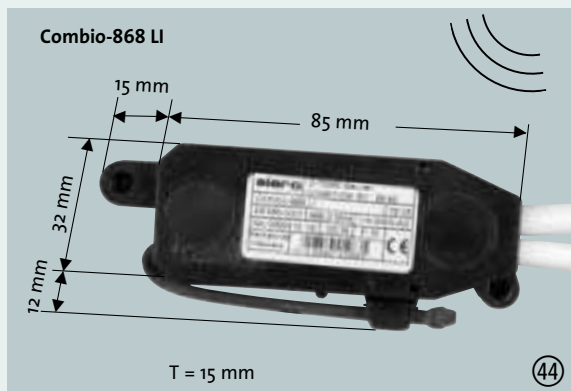
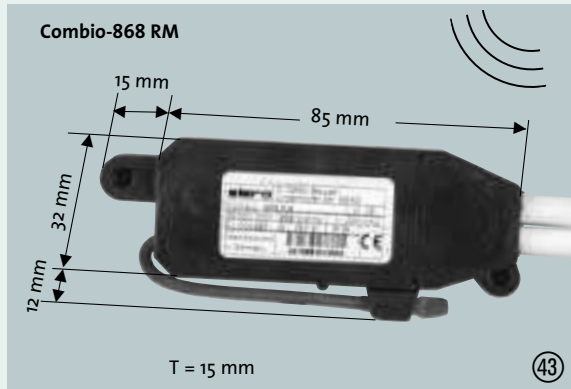
The most thorough control arrangement is to use a Combio-868 Radio Receiver on each and every motor which will give individual control each motor. It works in much the same way as the Multi-zone Control, but now each window is a zone on its own. Again the Sensero-868 Weather Sensor can be used for all the zones within its range.



## Further Arrangements:

Further more complicated arrangements can be achieved by programming different combinations of transmitters to different combinations of receivers and groups of receivers considering that multiple transmitters and their channels can be programmed to a single receiver and also multiple receivers can be programmed to a single channel on a transmitter. Other accessories such as radio repeaters, auxiliary transmitters and more can be used to extend ranges, incorporate building management systems and much more. Please feel free to ask about these extra options and if you have a specific idea in mind, ask as it may be possible!

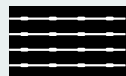
**Combio-868 (RM und LI) – Funkempfänger für  
Rollladen/Lichtquellen**  
*Combio-868 (RM and LI) – Radio receiver for  
roller shutters/light sources*



Technische Daten	Combio-868 RM (Rohrantriebe)	Combio-868 LI
Netzspannung:	230 V	230 V
Frequenz:	50 Hz	50 Hz
Schaltleistung:	450 W	100 W
Laufzeit:	120 Sek.	–
Ansprechverhalten:	Selbsthaltung	–
Schutzart:	IP 56	IP 56
Zulässige Umgebungstemperatur:	–20 bis +80 °C	–20 bis +80 °C
Funkfrequenz:	868,3 MHz	868,3 MHz
Netzleitung:	3 m	3 m
Motorleitung:	0,25 m mit Gerätestecker	0,9 m
Vorsicherung:	–	1 A Super Flink (1AFF)
Max. Anzahl der Sender:	16	16

Technical data	Combio-868 RM (tubular motors)	Combio-868 LI
Power supply:	230 V	230 V
Frequency:	50 Hz	50 Hz
Switching power:	450 W	100 W
Operating time:	120 sec.	–
Response:	Maintained mode	–
Protection class:	IP 56	IP 56
Permissible ambient temperature:	–20 to +80 °C	–20 to +80 °C
Radio frequency:	868,3 MHz	868,3 MHz
Mains cable:	3 m	3 m
Motor cable:	0,25 m with plug	0,9 m
Input fuse:	–	1 A fast blow
Max. number of transmitters:	16	16

**Einsatzbereiche:**



**Eigenschaften Combio-868 RM:**

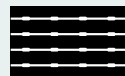
- Externer Funkempfänger für Rollladen und Sonnenschutzanlagen
- Kleine kompakte Bauform
- Einfache Installation
- Problemlos nachrüstbar
- Spritzwassergeschützt
- Zwischenposition
- Lüftungsposition



**Eigenschaften Combio-868 LI:**

- Dimmermöglichkeit
- Ein- und ausschalten der Beleuchtung über ProLine Handsender
- Zwei Helligkeitsstufen sind speicherbar

**Range of Application:**



**Product features:**

- External radio receiver for roller shutter or sun protection installations
- Small, compact design
- Easy to install
- Easy to retool
- Splash protection
- Intermediate position
- Tilting position

**Features of Combio-868 LI:**

- Dimmer capabilities
- Switching lighting on and off via ProLine hand-held transmitter
- Two brightness levels can be stored



# LumeroTel – der Funkhandsender für Sonnenschutzanlagen

## LumeroTel – the radio hand-transmitter for sun protection systems



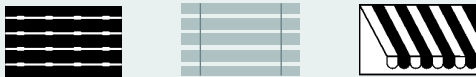
### Technische Daten

Betriebsspannung:	3 V DC
Batterietyp:	2 x LR 03 (AAA)
Schutzart:	IP 20
Zulässige Umgebungstemperatur:	-10 bis +55 °C
Funkfrequenz:	868,3 MHz
Maße in mm:	L 121 mm x B 43 mm x H 23 mm

### Technical data

Operating voltage:	3 V DC
Battery type:	2 x LR 03 (AAA)
System of protection:	IP 20
Permissible ambient temperature:	-10 to +55 °C
Radio frequency:	868.3 MHz
Dimensions in mm:	L 121 mm x W 43 mm x H 23 mm

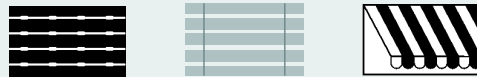
### Einsatzbereiche:



### Eigenschaften:

- 1 Kanal Funkhandsender
- Große AUF-STOP-AB Tasten
- Ansteuerung von einem oder mehreren Empfängern
- Funkhandsender für Sonnenschutzanlagen
- Schiebeschalter für Hand-/Automatikumschaltung
- Individuelles Beschriftungsfeld
- Handelsübliche Batterien

### Range of Application:



### Product features:

- 1 radio hand-held transmitter
- Large UP-STOP-DOWN pushbuttons
- Radio hand-held transmitter for triggering one or several receivers
- Radio hand-held transmitter for sun protection installations
- Sliding switch for manual/automatic switching
- Individual labelling panel
- Takes standard batteries

**VarioTel Plus – der 5 + 1 Funkhandsender  
für Rolläden, Jalousien und Markise**  
*VarioTel Plus – the 5 + 1 radio hand-transmitter  
for roller shutters, venetian blinds and awning*



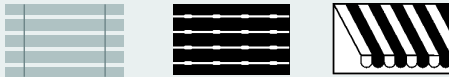
**Technische Daten**

Betriebsspannung:	3 V DC
Batterietyp:	2 x LR 03 (AAA)
Schutzart:	IP 20
Zulässige Umgebungstemperatur:	-10 bis +55 °C
Funkfrequenz:	868,3 MHz
Maße in mm:	L 121 mm x B 43 mm x H 23 mm

**Technical data**

Operating voltage:	3 V DC
Battery type:	2 x LR 03 (AAA)
System of protection:	IP 20
Permissible ambient temperature:	-10 to +55 °C
Radio frequency:	868.3 MHz
Dimensions in mm:	L 121 mm x W 43 mm x H 23 mm

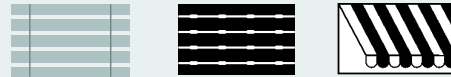
**Einsatzbereiche:**



**Eigenschaften:**

- 5 + 1 Kanal Funkhandsender
- Select-Taste zur Kanalauswahl
- Schiebeschalter für Hand-/Automatikumstellung
- Kanalanzeige über 5 LED's
- Individuelles Beschriftungsfeld
- Handelsübliche Batterien

**Range of Application:**



**Product features:**

- 5 + 1 command radio hand-held transmitter
- Select-pushbutton for address selection
- Sliding switch for manual/automatic switching
- Address display via 5 LEDs
- Individual labelling panel
- Takes standard batteries

VarioTel Plus-10 – der 10 + 1 Funkhandsender für alle Anwendungen  
*VarioTel Plus-10 – the 10 + 1 radio hand-transmitter for all applications*



**Technische Daten**

Betriebsspannung:	3 V DC
Batterietyp:	2 x LR 03 (AAA)
Schutzart:	IP 20
Zulässige Umgebungstemperatur:	-10 bis +55 °C
Funkfrequenz:	868,3 MHz
Maße in mm:	L 121 mm x B 43 mm x H 23 mm

**Technical data**

Operating voltage:	3 V DC
Battery type:	2 x LR 03 (AAA)
System of protection:	IP 20
Permissible ambient temperature:	-10 to +55 °C
Radio frequency:	868.3 MHz
Dimensions in mm:	L 121 mm x W 43 mm x H 23 mm

**Einsatzbereiche:**



**Eigenschaften:**

- 10 + 1 Kanal Funkhandsender
- Select-Taste zur Kanalauswahl
- Schiebeschalter für Hand-/Automatikumstellung
- Kanalanzeige über 5 LED's/untersch. Farben
- Individuelles Beschriftungsfeld
- Handelsübliche Batterien

**Range of Application:**



**Productfeatures:**

- 10 + 1 command radio hand-held transmitter
- Select-pushbutton for address selection
- Sliding switch for manual/automatic switching
- Address display via 5 LEDs/different colours
- Individual labelling panel
- Takes standard batteries

# TempoTel – der Funkhandsender mit integrierter Zeitschaltuhr

## TempoTel – the hand-transmitter with integrated timer



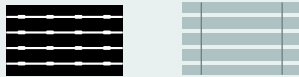
### Technische Daten

Betriebsspannung:	3 V DC
Batterietyp:	2 x LR 03 (AAA)
Schutzart:	IP 20
Zulässige Umgebungstemperatur:	-10 bis +55 °C
Funkfrequenz:	868,3 MHz
Maße in mm:	L 162 mm x B 47 mm x H 27 mm

### Technical data

Operating voltage:	3 V DC
Battery type:	2 x LR 03 (AAA)
System of protection:	IP 20
Permissible ambient temperature:	-10 to +55 °C
Radio frequency:	868.3 MHz
Dimensions in mm:	L 162 mm x W 47 mm x H 27 mm

### Einsatzbereiche:



### Eigenschaften:

- 5 + 1 Kanal Funkhandsender
- Menügeführt in 15 Sprachen
- Werksseitig voreingestellt
- Astroprogramm Abend, weltweit einstellbar
- Automatische Sommer-/Winterzeitumstellung
- Urlaubsprogramm
- Select-Taste zur Kanalauswahl
- Kanalanzeige über 5 LED's
- Handelsübliche Batterien

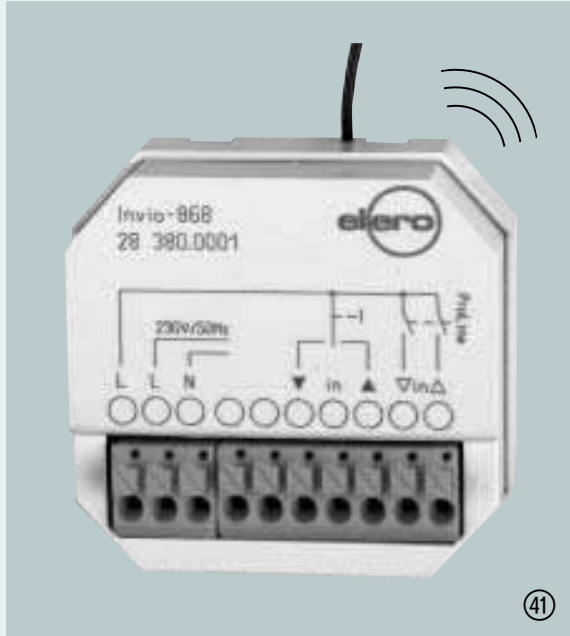
### Range of Application:



### Product features:

- 5 + 1 command radio hand-held transmitter
- Language options (15 languages)
- Factory preset
- Astro programme evening, adjustable worldwide
- Automatic summer/winter time changeover
- Holiday programme
- Select-pushbutton for address selection
- Address display via 5 LEDs
- Takes standard batteries

**Invio-868 – der Unterputzfunksender für alle Anwendungen**  
*Invio-868 – the built-in radio transmitter for all applications*



**Technische Daten**

Nennspannung:	230–240 V AC/50–60 Hz
Schutzart:	IP 20
Zulässige Umgebungstemperatur:	0 bis +55 °C
Funkfrequenz:	868,3 MHz
Maße:	L 50 mm x B 48 mm x H 22 mm

**Technical data**

Nominal voltage:	230–240 V AC/50–60 Hz
System of protection:	IP 20
Permissible ambient temperature:	0 to +55 °C
Radio frequency:	868,3 MHz
Dimensions in mm:	L 50 mm x W 48 mm x H 22 mm

**Einsatzbereiche:**



**Eigenschaften:**

- Flexibler Funksender für alle gängigen Jalousietaster
- Lösung für alle Schaltprogramme
- Erkennt übergeordnete Befehle z. B. Alarmanlagen
- Passt in tiefe Unterputzdosen  $\varnothing$  60 mm

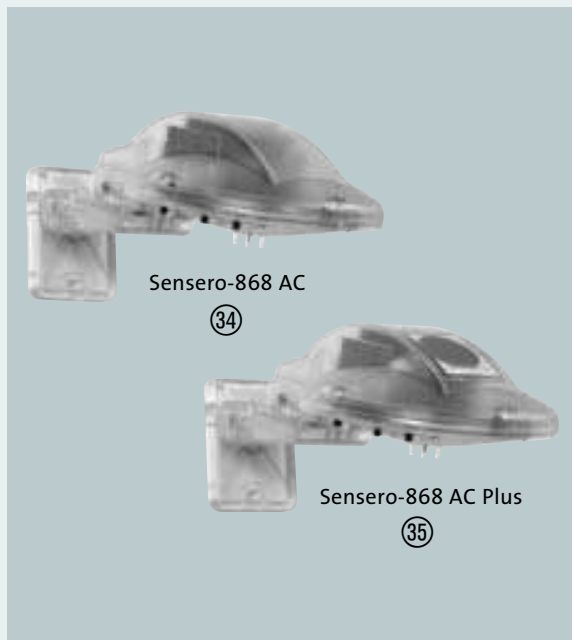
**Range of Application:**



**Productfeatures:**

- Flexible radio transmitter for all current interlocked pushbuttons
- Solution for all switch programmes
- Detects higher-ranking commands e.g. alarm system
- Fits into deep flush mount box, 60 mm diameter

Sensero-868 AC/Sensero-868 AC Plus – der Sensor für  
Sonnenschutzanlagen  
*Sensero-868 AC/Sensero-868 AC Plus – the sensor for  
sun protection systems*



**Technische Daten**

Zulässige Umgebungstemperatur: -25 °C bis +60 °C  
 Maße in mm: L 200 mm, B 121 mm, H 104 mm  
 Netzspannung: 230-240 V AC/50-60 Hz  
 Schutzart: IP 44 (durch Einbaulage für Außenmontage geeignet)  
 Erfassungswinkel: 150°

**Technical data**

Permissible ambient temperature: -25 °C to +60 °C  
 Dimensions in mm: L 200 mm, W 121 mm, H 104 mm  
 System of protection: IP 44 (Suitable for fitting outside because of installation position)  
 Detection angle: 150°

**Einsatzbereiche:**



**Eigenschaften:**

- Sensero-868 AC: Sonnen/Dämmerungs- und Windsensor
- Sensero-868 AC Plus: zusätzlicher Regensensor
- Funktioniert mit allen elero 868-Empfängern
- Verschiedene Modi einstellbar
- Versorgung 230-240 V AC/50-60 Hz
- Transparentes Gehäuse

**Range of Application:**



**Product-features:**

- Sensero-868 AC: Sun/twilight and wind sensor
- Sensero-868 AC Plus: additionally has a rain sensor
- Operates with all elero-868-receivers
- Different modes operatable
- Power supply 230-240 V AC/50-60 Hz
- Transparent housing