MultiTec Touch-868 /-915

Sun Shading Solutions Nice

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EN

Operating instructions

Keep the operating instructions in a safe place!

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EN

Translation from the original German version.

All other documents in different languages are translations of the original version.

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1 General

1.1 Notes on the Operating Instructions

The content structure is based on the radio wall transmitter MultiTec Touch-868 /-915 (hereinafter referred to as "Device").

The manufacturer reserves the right to make changes to the Specifications stated in these Operating Instructions at any time. These may, in individual cases, be different from the respective device version, however the functional information will not undergo significant changes or become invalid. The current version of the Specifications may be requested from the manufacturer at any time. No claims may be asserted against the manufacturer as a result of the preceding sentence. Deviations from text or picture statements are possible and depend on the technical development, features, and accessories of the device. Deviating information on special versions will be explained by the manufacturer in the sales documentation. Other information shall remain unaffected by these provisions.

1.2 Standards and Directives

During the design process, the basic health and safety requirements of the applicable laws, Standards and Directives were complied with. The safety is confirmed by the declaration of conformity (see Chapter 7, Declaration of Conformity). All safety information in these Operating Instructions refer to the laws and regulations currently applicable in Germany. All instructions in the Operating Instructions shall be observed without limitation and at any time. Beside the safety instructions contained in these Operating Instructions, the provisions for accident prevention, environmental protection and occupational safety, which are applicable for

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the operating site, must be observed. Provisions and Standards for the safety rating can be found in the EC Declaration of Conformity

1.3 Intended use

The device is intended to be used in a domestic distribution environment (to control electrically driven shutters, sunblinds, sunshades, roller blinds, electrical lighting and heating equipment). It is a multi-channel radio wall transmitter. Further fields of application have to be arranged with the manufacturer, **elero** GmbH Antriebstechnik (see Chapter 10, Manufacturer's Address).

The operator will be solely responsible for damages resulting from improper use of the device. The manufacturer cannot be held liable for personal or material damages caused by misuse or procedural errors, and by improper operation and commissioning.

Only if used according to the specifications of these operating instructions the safe and proper use and safe operation of the device are guaranteed.

1.4 Foreseeable misuse

A use which deviates from the intended use stated by the manufacturer, **elero** GmbH Antriebstechnik (for address, see Chapter 10, Manufacturer's Address), is deemed foreseeable misuse.

1.5 Warranty and liability

Principally, the General Terms and Conditions of the manufacturer, **elero** GmbH Antriebstechnik (see Chapter 10, Manufacturer's Address for address), apply. The terms and conditions are part of the sales documents and handed over to the operator upon delivery. Liability claims for personal or material damages are excluded when they can be attributed to one or more of the following causes:

- ❑ Customer has opened the device (seal is broken)
- ❑ Unintended use of the device
- ❑ Improper installation, commissioning, or operation of the device
- ❑ Structural modifications to the device without the written consent of the manufacturer
- ❑ Operation of the device with improperly installed connections, defective safety devices or improperly installed safeguards
- ❑ Non-observance of the safety provisions and instructions of these Operating Instructions
- ❑ Exceeding of the technical data indicated

1.6 Customer service of the manufacturer

The device should only be repaired by the manufacturer in case of a failure. The address for sending to customer service, see chapter 10, Manufacturer's Address.

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If you have not purchased the device directly from elero, please contact the supplier of the device.

When requesting customer service, keep the serial number at hand. It is located on the rating plate on the rear of the device.

2 Safety

2.1 General safety instructions

The Operating Instructions contain all safety instructions which must be observed in order to prevent dangers inherent to handling the device in connection with the drives and components to be controlled in the individual life phases. A safe use of the device can only be ensured when all given safety instructions are observed.

2.2 Safety principles

The device is designed according to state of the art and recognized safety standards and is safe to operate. During the design process of the device, the basic health and safety requirements of the applicable laws, Standards and Directives were complied with. The safety of the device is confirmed by the declaration of incorporation.

Any information relating to safety are based on the currently valid regulations of the European Union. In other countries, it must be ensured by the operator that the applicable laws and state regulations are complied with.

In addition to the safety instructions in this operating manual, the general regulations for accident prevention and environmental protection must be observed and adhered to.

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The device is to be used only in a technically flawless state as well as in accordance with the requirements, consciousness of risk and in compliance with the operating instructions. The device is designed for use as described in chapter "Intended Use". In case of improper use, threats to life and limb of the user or third parties or damage to the device or other property may occur. Accidents or near accidents when using the device, that have resulted or could have resulted in personal injury and / or damage to the environment, shall be reported to the manufacturers directly and immediately.

All safety precautions listed in the operating instructions and on the device are to be observed. In addition to these safety instructions, the operator shall ensure that all national and international regulations in force in the country of use, as well as other binding regulations for occupational safety, accident prevention and environmental protection are met. All works on the device must be carried out by trained, safety technically trained and authorized personnel.

2.3 General operational regulations

- ❑ The operator is obliged to use the device only in a proper and safe condition. He must ensure that in addition to the safety instructions in the operating manual, the general safety and accident prevention regulations, the requirements of DIN VDE 0100, and the rules of the environmental protection of the country of use are respected and adhered to.

- ❑ The operator is responsible for ensuring that all work is carried out with the device by trained, safety instructed and authorized personnel.

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- ❑ The operator of the device or the personnel authorized by him is ultimately responsible for accident-free operation.

2.4 Requirements for the personnel

- ❑ Any person who is assigned to work with the device must have read and understood the entire manual before performing the relevant work. This is true even if the person has already worked with such a device or has been trained for it.
- ❑ All work at the device must be carried out by trained, safety technically trained and authorized personnel. Before starting any activities, the staff must be made familiar with the dangers when handling the device.
- ❑ All persons must only perform work according to their qualifications. The responsibilities of the respective staff must be clearly specified.
- ❑ Any personnel who have been assigned to work with the device must not have a physical disability, the attention and judgement must not be temporarily or permanently restricted (e.g. due to fatigue).
- ❑ The handling of the device and all assembly, disassembly and cleaning work by minors or persons who are impaired by alcohol, drugs or medication influence, is not permitted.

2.5 Safety instructions for technical condition

- ❑ The operator is required to operate the device in a proper and safe condition. The technical condition must comply with the statutory requirements at all times.

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- ❑ If danger to persons or changes are recognized in operating performance, the device must be immediately taken out of service and reported to the operator of the system.
- ❑ No changes to the device, additions or modifications should be performed without prior approval of the manufacturer.

2.6 Safety instructions for operation

- ❑ The user of the device is required to satisfy himself of the safe and proper condition of the device prior to the first use.
- ❑ That is also necessary at regular time intervals during the operation of the device which can be specified by the operator. The operator is responsible for performance before commencement of operation.

3 Product description

The MultiTec Touch-868 /-915 is an easy to handle multi-channel radio wall transmitter.

The device permits comfortable, wireless controlling of **elero** receivers in roller shutter, Venetian blind and sun protection facilities. Control of bidirectional receivers such as the **elero** Combio LI ET/MT, Combio HE and Unio-868 as well as connected devices is possible as well (electrical light, electrical heating).

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Data communication takes place bidirectionally only (compatible with the **elero** ProLine 2 product range).

The environment for intended use is the residential and business area, as well as small industry.

The main functions result from the setting options for

- ❑ 20 individual channels for bidirectional communication between transmitters and receiver(s)
- ❑ 5 group channels (combination of taught-in individual channels to one group channel, up to 20)
- ❑ 1 central channel for shared connection to all 20 individual channels
- ❑ Selection of the individual channels, group channels or the central channel with display function
- ❑ Information on executed commands or feedback by display symbols
- ❑ Menu-guided function settings with plain text displays, channel and product management with editing options.
- ❑ Comprehensive functions based on the integrated timer, including random program, consideration of daylight savings time, switching times according to seasonal sunrise and sunset (astro function).

Do not use any pointy objects, to avoid scratching of the touch screen.

Observe that the touch screen does not get into contact with water. Moisture or contact with water may cause malfunctions of the touch screen.

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3.1 Power supply and commissioning

Setup of the device (figure of the reverse/holding frame)

Mounting of the wall holding frame

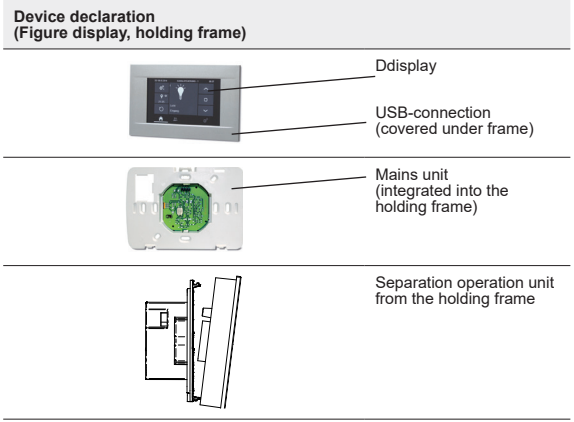

Fig. 1 Device views

- ❑ Warning: Danger to life from electric shock or fire! Have mounting performed by an electrician only!

- ❑ Have the mains unit in a suitable concealed wall socket supplied with 230 Volt (if possible deep design, switching/junction box) connected to the outer conductor L (phase) and neutral conductor N by an authorised electrician.

- ❑ Securing the holding frame with the two enclosed dowels and screws. Observe live lines when drilling the holes.

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❑ To separate the operating unit from the holding frame, use a matching screwdriver to carefully push the upper middle latching tab of the operating unit down and to release the operating unit from the wall vertically.

The DIP switches on the reverse of the PCB have no function but must be put in the "Off" position.

The battery contained in the operating unit of the device serves as a buffer for interruption of the power supply and ensures maintenance of the clock function. The typical life span of the batteries is approx. 5 years.

The battery can be removed easily by the end user according to the battery directive 2013/56/EU.

For battery change, replace the battery by a new battery of the same type (CR 2032 Lithium button cell 3 Volt, 20 mm Ø, 3,2 mm height) and insert it in the correct position.

Do not dispose of flat batteries in the household waste.

When the power supply is interrupted, no function of the operating unit is available and no switching commands are performed.

To teach in receivers or for first confirmation, an external power supply (5 volt direct current, 500 mA) can be connected to the mini USB socket below the display alternatively by USB charging socket.

3.2 Operation

The device is activated by connection to a working power supply (via the enclosed mains unit 230 V ~ or USB 5 V =). The display lights up and the home screen appears.

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❑ At initial installation select one of the 14 languages from the menu guidance (English, German, Spanish, French, Italian, Portuguese, Dutch, Swedish, Danish, Polish, Hungarian, Czech, Slovenian, Turkish).

3.3 Operating Principle

The text shown in the display represents a condition.

Text in connection with icons or symbols (each in a touch field) represents requests for action.

❑ Make your decision.

❑ Select the planned action by tapping: Touch a menu/an option with your finger once to select or start the menu or the option.

❑ The symbol → stands for the next brief push of the menu item as a specific operating sequence.

In the further course of these instructions, only icons the meaning of which may not be intuitively clear are explained and described.

3.4 Bidirectional Radio System and Routing

A bidirectional radio system transmits radio signals to a radio receiver and enables feedback from the radio receiver to the transmitter. The radio signal can be sent directly to the target receiver. If this is not possible, the radio signal will be routed via other bidirectional participants until it reaches the target receiver. The target receiver carries out the command and sends a confirmation back to the transmitter. The prerequisite for bidirectional radio hence is the radio transmitting capability as well as the radio reception capability of all participating components.

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3.5 Menu Guidance

Sensible use of the device requires that at least one channel is taught in. The description therefore starts with confirmation of the device as a prerequisite for standard use.

The device is ready for operation with one of the three following displays in the menu bar.

Display Symbols	
	Tapping: **Channel overview** (home screen) is selected
	Tapping: **Group management** is selected
	Tapping: **Settings** is selected

An active condition is signalled by a light background.

3.5.1 Channel Overview (Home Screen)

Status line: Channel overview

In the menu bar, tap the first touch field "House": Display of the central channel (visibility can be switched off in the settings) and the active or activated channels in other touch fields (number of the channel, name of the channel, symbol of the channel). All (20) individual channels are automatically assigned to the central channel.

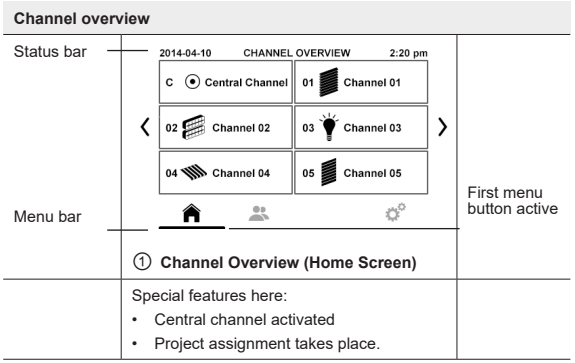

Fig. 2 Channel overview, main screen to control a channel

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Channel control channel 1 (example)

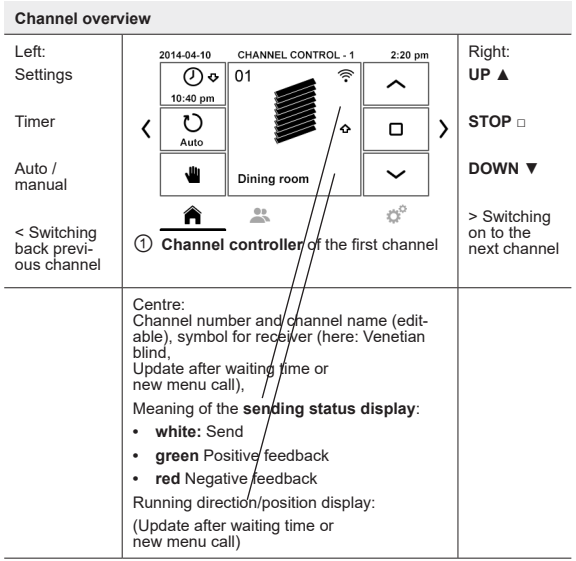

Fig. 3 Channel control channel 1

3.5.2 Group management

Status line: Group management

A group is understood to mean the control of several receivers (channels) at the same time. The selected group is controlled by a single travel command.

In the menu bar, tap the touch field "Group Symbol": Display the defined groups in further touch fields (number of the group, consistent group symbol, name of the group).

For 5 groups that can be selected, all individual channels (20) can be assigned in theory. A group is only sensible when it has at least 2 individual channels assigned.

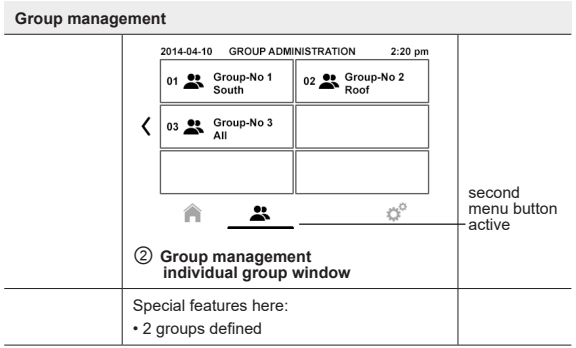

Fig. 4 Group management

3.5.3 Settings

Status line: Settings

In the main menu touch field, tap "Symbol gears" at the lower right: Status display *General settings, Channels, Central channel, Product information, Groups* in other touch fields with consistently prefixed symbol.

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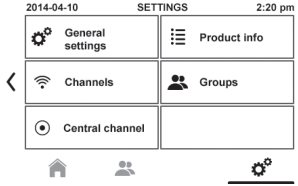
Settings



Third menu button active

③ **Settings**

Special features here:
• none

Fig. 5 Settings

3.5.4 Menu Structure Settings

General Settings

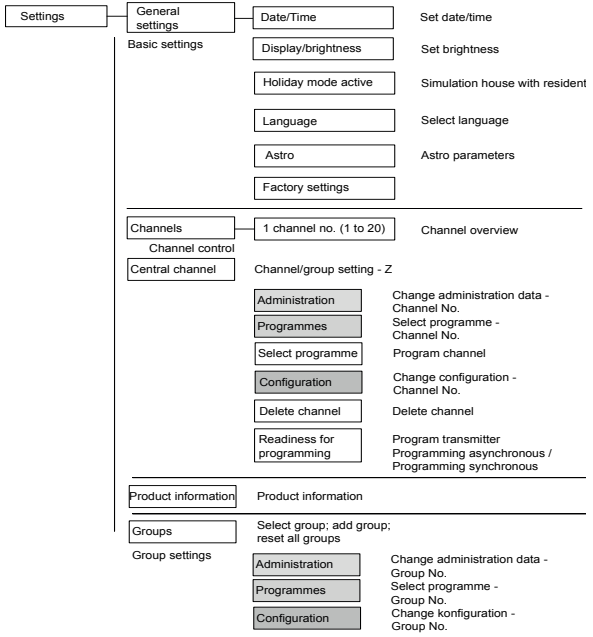


Fig. 6 Menu structure general settings

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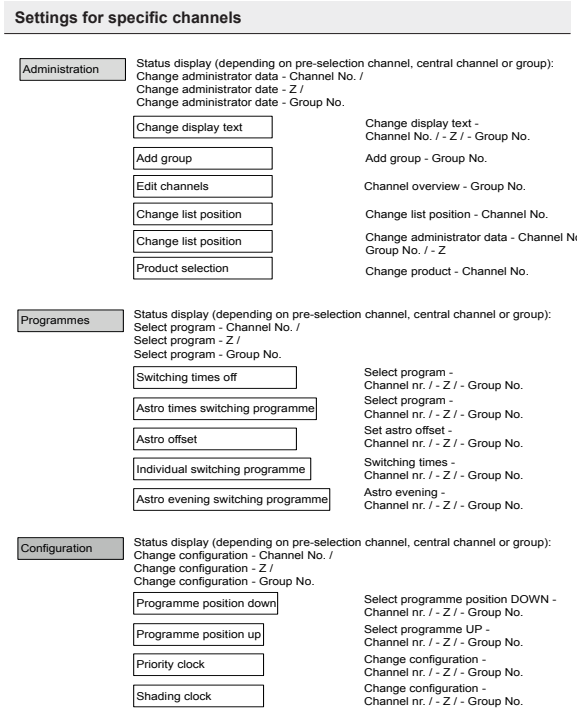

Fig. 7 Menu structure channel-related settings

3.5.5 Menu structure → General settings

Status line: Basic settings

Date/Time

Status line: Set date/time

Deactivated time change Intended for countries that do not have any seasonal time change (daylight savings time).

Automatic time change Setting summer time (and winter time) on the correct date of the year.
The offset from the astro time (deviation from the position of the sun) remains consistent (astro offset).

Manual time change Setting a time deviating from the "normal time". The offset from the astro time may add up (depending on the relationship to the zero meridian) to the astro offset.

Display brightness

Select by wiping on the lighted bar.

Holiday mode active

The holiday function simulates an occupied house while you are on holiday. When this function is active (light touch field), all the programmed switching times are delayed by 0 to 30 minutes at random.

Language

Status line: Select language

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At initial installation - or later - select one of the 14 languages for the menu text display from the menu guidance (English, German, Spanish, French, Italian, Portuguese, Dutch, Swedish, Danish, Polish, Hungarian, Czech, Slovenian, Turkish).

Astro

Status line: Astro parameters

Selection Europe (continent), longitude/latitude, town

Adjustment of the astro switching times by geographic data (selection from 89 cities in the world) or individually by entering a combination of longitude and latitude in connection with or without coordinated world time (UTC).

Factory settings

Resetting all settings except for the channel-bound receipted assignments. List assignments of taught-in receivers are also lost.

3.5.6 Settings → Channels

Status line: Channel overview

Display and selection of one of the 20 available channels

Further settings possible (Administration, Programs, Program channel, Configuration, Delete channel, Activate programming mode)

Status line: Channel/Group settings
channel number

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3.5.7 Settings → Central channel

Status line: Channel/Group settings central channel

The central channel controls all present individual channels at the same time. This means a combination of all (up to 20) configured individual channels.

Further settings possible (Administration, Programs, Visibility (not) active), Configuration, Delete channel)

3.5.8 Settings → Product info

Status line: Display product info

3.5.9 Settings → Groups

Status line: Select group

Display the 5 available groups, out of which one group can be selected.

Further settings possible (add group (5 times);

Reset all groups.

Status line: Change administration data.

Terminate with safety prompt.

Note: The channel settings are retained.

3.6 Settings → Channels → Channel → Administration

Status line: Change administration data - channel number

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3.6.1 Change display text

Status line: Change display text - channel number

(Designation of the channel):
Editor with switchable layout (alphanumeric)

3.6.2 Add group

Status line: Add group - channel number

Channels can be assigned to 5 different groups (logical combination of channels).

3.6.3 Change list position

Status line: Change list position - channel number

Placement (sorting) of the programmed channels in a list. Terminate with button "Save".

3.6.4 Reset channel data

Status line: Change administration data - channel number

Data of a single channel are reset. The assignment to the programmed receiver is retained. Terminate with safety prompt.

3.6.5 Product selection

Status line: Change product - channel number

Selection and assignment of a suitable symbol out of 10 symbols depending on application (roller shutter, interior shading, Venetian blind, awning, light, heating, switch, valance, curtain, lamellar curtain).

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For bidirectional receivers from the **elero** ProLine 2 family, the logically right symbol (roller shutter, Venetian blind, interior shading, awning) is assigned automatically.

3.7 Settings → Channels → Channel → Programs

Status line: Select program - channel number

The activated program is displayed brightly backlit.

3.7.1 Switching times off

Switching times off:
Timed switching commands are not executed.

3.7.2 Astro times switching program

Status line: Astro times - channel number

Controls the calendar-related (day-specific) up and down according to Astro function in accordance with the sunrise and sunset times. Programmable lock times prevent up and down movement occurring too soon.

3.7.3 Astro offset

Status line:
Set astro offset - channel number

For individual adjustment of the astro switching times by selecting an offset for the time of opening and/or an offset for the time of closing by up to 120 minutes.

Note: Display with bright backlighting with activated astro offset only.

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3.7.4 Individual switching program

Status line: Switching times - channel number

Calendar-relatedly (day-specific) definable switching times for opening and closing times.

3.7.5 Astro evening switching program

Status line: Astro evening - channel number

Controls the calendar-related (day-specific) up and down movement according to Astro function based on the time of sunset. The adjustable locking time prevents too early closing (offset of the closing time to a later time displayed symbolically).

3.8 Settings → Channels → Channel → Program channel

Status line: Programming the transmitter

Classic function as for an **elero** ProLine 2-hand/wall transmitter
Operating elements (touch fields) **UP**, **STOP**, **DOWN**, **P**) and transmission symbol (coloured during programming).

Channel change possible by browsing forward (arrow to the right) or backward (arrow to the left).

Prerequisite: The receiver is installed. Stand in front of the curtain to be programmed while programming.

1. For receivers already installed electrically, interrupt the supply voltage by switching off and on again. The receiver is now in programming mode for about 5 minutes.

2. Push the touch panel **P**; the transmission control indicator lights up green. The curtain moves up and down for 2 minutes, signalling that the receiver is in programming mode.

3. Press the **UP** button (arrow up) as soon as the curtain starts moving in the upwards direction (within 1 second at the most). The curtain stops briefly, starts moving again and then moves downwards.

4. Press the **DOWN** button (arrow down) as soon as the curtain starts moving in the downwards direction (within 1 second at the most). The curtain stops. The transmission indicator display goes out. The channel is programmed from the transmitter.

Programming will have to be repeated if the curtain does not stop. Programming in the wall transmitter (signalled by orange background) can be terminated by pushing the touch field Cancel or by pushing the STOP button for 6 seconds (square symbol).

3.9 Settings → Channels → Channel → Configuration

Status line: Change configuration - channel number

3.9.1 Program position Down

Status line: Select program position down - channel number

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Valid for time-controlled travel commands: Select a target run to the lower end position or the intermediate position or ventilation position (differently sensible depending on application roller shutter, Venetian blind or awning).
The currently activated selection is displayed brightly backlit.

3.9.2 Program position Up

Status line: Select program position up - channel number

Valid for time-controlled travel commands: Select a target run to the upper end position or the intermediate position or ventilation position (differently sensible depending on application roller shutter, Venetian blind or awning).
The currently activated selection is displayed brightly backlit.

3.9.3 Priority clock

Status line: Change configuration - channel number

Priority automatic commands On or Off
Factory settings Priority off
The activated selection is displayed brightly backlit.

When the priority is activated, which means that automatic time switching commands from the hand-held transmitter channel are given priority in all receivers and accepted even the manual operating mode of receivers.

3.9.4 Shading Clock

Status line: Change configuration - channel number

Shading Clock On or Off
Factory settings Shading off
The activated selection is displayed brightly backlit.

With the function Shading Clock activated: A time-controlled down command switches off the automatic shading system (privacy protection). A time-controlled open command switches on the automatic shading system again.

3.10 Settings → Channels → Channel → Delete channel

Status line: Delete transmitter - channel number

3.10.1 Delete all

Delete all channels. All channels in the transmitter are deleted. Terminate with safety prompt.

3.10.2 Delete channel

Deleting a single channel. Selected channel is deleted. Terminate with safety prompt.

3.11 Settings → Channels → Channel → Activate programming mode

Status line: Programming the transmitter

3.11.1 Asynchronous programming

Multiple receivers connected to the same supply are all simultaneously ready for programming for approximately 5 minutes after connection to the mains.

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If the P button is now pressed on the transmitter, all receivers start the programming mode simultaneously (indicated by travelling up or down). An offset is created between the receivers by randomly different pauses between the opening and closing movements. The longer programming is delayed, the greater the offset will be.

You can stop the short opening and closing movements by briefly pressing the STOP button on a transmitter which has already been programmed. The programming mode in the receiver is interrupted.

The transmitter can now be assigned without having to disconnect individual receivers. If the curtain moves in the wrong direction, delete the transmitter and program it again.

3.11.2 Synchronous programming

For programming one transmitter to multiple receivers at the same time.

Travelling up and travelling down of the receivers starting synchronously. Concurrent programming on several facilities possible

3.12 Settings → Central channel

Status line: Channel/Group settings - central channel

Submenus as for a single channel

3.12.1 Settings → Central channel → Administration

Status line: Change administration data of central channel

Change display text

Editor with switchable layout (alphanumeric)

Reset channel data

Data of the central channel are deleted. The assignment to the receiver is retained.

3.12.2 Settings → Central channel → Programs

Status line: Select program - central channel

As for a single channel (Settings → Channels → Channel → Programs):

Switching times off:
Timed switching commands are not executed.

Astro times switching program:
Controls the calendar-related (day-specific) up and down according to Astro function in accordance with the sunrise and sunset times. Programmable lock times prevent up and down movement occurring too soon.

Astro offset:
For individual adjustment of the astro switching times by selecting an offset for the time of opening and/or an offset for the time of closing by up to 120 minutes.

Individual switching program:
Calendar-relatedly (day-specific) definable switching times for opening and closing times.

Astro evening switching program:
Controls the calendar-related (day-specific) up and down movement according to Astro function based on the time of sunset. The programmable lock time prevents too early downward movement.

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3.12.3 Settings → Central channel →

Visibility (not) active

Active visibility permits selection of the central channel in the channel overview of the home screen. Activated visibility is displayed brightly backlit.

3.12.4 Settings → Central channel → Configuration

Program position Down:
Valid for time-controlled travel commands: Select a target run to the lower end position or the intermediate position or ventilation position (differently sensible depending on application roller shutter, Venetian blind or awning).

Program position Up
Valid for time-controlled travel commands: Select a target run to the upper end position or the intermediate position or ventilation position (differently sensible depending on application roller shutter, Venetian blind or awning).

Priority clock:
Priority automatic commands On or Off
When the priority is activated, it can be specified in the central channel that automatic time switching commands from the wall transmitter channel are given priority in all receivers and accepted by the receivers even in manual operating mode.

Shading Clock
With the function Shading Clock activated: A time-controlled down command switches off the automatic shading system (privacy protection). A time-controlled open command switches on the automatic shading system again.

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3.12.5 Settings → Central channel → Delete channel

Status line: Deletion of transmitter

Central channel All channels in the transmitter are deleted.

Terminate with safety prompt.

3.13 Settings → Product info

Status line: Display product info

Display of version information

3.13.1 Settings → Groups → Group

Status line: Channel/Group settings - group number

A group is understood to mean the control of several receivers (channels) at the same time. The selected group is controlled together by a single travel command. All 20 channels (transmitter) can be used for the group control.

Any number of receivers can be programmed and controlled in each channel.

The further submenus are accordingly structured in the same manner as for a single channel.

3.13.2 Settings → Groups → Group → Administration

Status line: Change administration data - group number

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Change display text:
Editor with switchable layout (alphanumeric)

Add channels:
Selection of a single channel adds the channel to the group. Several selections in sequence are sensible. Channels added to a group appear brightly backlit in the display (active).

3.13.3 Settings → Groups → Group → Programs

Status line: Select program - group number

Switching times off:
Timed switching commands are not executed.

Astro times switching program:
Controls the calendar-related (day-specific) up and down according to Astro function in accordance with the sunrise and sunset times. Programmable lock times prevent up and down movement occurring too soon.

Astro offset:
For individual adjustment of the astro switching times by selecting an offset for the time of opening and/or an offset for the time of closing by up to 120 minutes.

Individual switching program:
Calendar-relatedly (day-specific) definable switching times for opening and closing times.

Astro evening switching program:
Controls the calendar-related (day-specific) up and down movement according to Astro function based on the time of sunset. The programmable lock time prevents too early downward movement.

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3.13.4 Settings → Groups → Group → Configuration

Status line: Change configuration - group no.

Program position Down:
Valid for time-controlled travel commands: Select a target run to the lower end position or the intermediate position or ventilation position (differently sensible depending on application roller shutter, Venetian blind or awning).

Program position Up:
Valid for time-controlled travel commands: Select a target run to the upper end position or the intermediate position or ventilation position (differently sensible depending on application roller shutter, Venetian blind or awning).

Priority Clock:
Priority automatic commands On or Off

Shading Clock:
With the function Shading Clock activated: A time-controlled down command switches off the automatic shading system (privacy protection). A time-controlled open command switches on the automatic shading system again.

4 First programming of the transmitter in a channel

Prerequisite:

The bidirectional receiver is installed. Check whether the respective channel is deleted or in the correct mode according to the status display.

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1. Where electrical receivers have already been installed, interrupt the power supply and switch it on again after a few seconds. The receiver is now in programming mode for about 5 minutes.

2. Push the **function button P** in the menu **Teach transmitter** until the transmission status display is lit green. The curtain moves up and down for approximately two minutes, showing that the receiver is in programming mode.
   Visualisation binding orange

3. Press the **UP** button as soon as the curtain starts moving in the upwards direction (within 1 second at the most). The transmission status indicator is lit briefly. The curtain stops, starts moving again and then moves DOWN.

4. Press the **DOWN** button as soon as the curtain starts moving in the downwards direction (within 1 second at the most). The transmission status indicator is lit briefly. The curtain stops. The transmitter channel has been programmed.

Important:

Programming will have to be repeated if the curtain does not stop. Programming in the wall transmitter (signalled by orange background) can be terminated by pushing the touch field Cancel or by pushing the STOP button for 6 seconds (square symbol).

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4.1 Program further transmitters into a channel.

Multiple receivers connected to the same supply are all simultaneously ready for programming for approximately 5 minutes after connection to the mains.

If the P button on the MultiTec Touch-868 /-915 is now pressed, all receivers start the programming mode simultaneously (travelling up or down). An offset is created between the receivers by randomly different pauses between the ascents/descents. The longer programming is delayed, the greater the offset will be.

You can stop the short opening and closing movements by briefly pressing the STOP button on a transmitter which has already been programmed. The programming mode in the receiver is interrupted.

The transmitter can now be assigned without having to disconnect individual receivers. If the curtain moves in the wrong direction, delete the transmitter and program it in the receiver again (→ see Deleting transmitters).

To program additional transmitters to one receiver:

1. Press the **UP**, **DOWN** and the programming button **P** (back of device) simultaneously (for 3 sec.) on a transmitter, which has already been programmed to the receiver. The status indicator is lit briefly. The receiver is now ready for programming and briefly moves down.

2. Press the programming button **P** on the transmitter to be programmed until the status display lights briefly. The receiver is now in programming mode (movements up and down).

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3. Press the **UP** button as soon as the curtain starts moving in the upwards direction (within 1 second at the most). The status indicator is lit briefly. The curtain stops briefly, starts moving again and then moves downwards.

4. Press the **DOWN** button as soon as the curtain starts moving in the downwards direction (within 1 second at the most). The status indicator is lit briefly. The curtain stops. The transmitter channel has been programmed.

If more than 10 bidirectional receivers are being programmed in one channel at the same time, the transmitter channel in programming mode switches to group mode. The group mode is visualised by the display "10+" to the right of the green transmission signal.

Programming in group mode is competed after a pause of 2 minutes. Programming in the wall transmitter (signalled by orange background) can be terminated by pushing the touch field Cancel or by pushing the STOP button for 6 seconds (square symbol).

Note

A jogging mode for Venetian blinds for quickly reaching receivers which are further away is not possible in a bidirectional transmitter channel with more than 10 programmed receivers.

4.2 Stopping programming mode (bidirectional) in the transmitter

Press the STOP button and hold for at least 6 seconds until the status display lights up orange.

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4.3 Approaching limit positions of roller shutter / awning / Venetian blind

Requirement

The transmitter/transmitter channel has been programmed. The end positions of the drive are set.

Approaching the lower end position (roller shutter/awning)

Push the **DOWN** button. The curtain descends to the lower end position/the awning extends fully.

Approaching the lower end position (blind)

Push the **DOWN** button. The curtain approaches the lower end position.

Push the **DOWN** button only briefly (jog mode at YES, impulse mode at Combio Pulse). The curtain starts and stops again.

Approaching the upper end position (roller shutter / awning)

Push the **UP** button. The curtain approaches the upper end position/the awning retracts.

Approaching the upper end position (blind)

Push the **UP** button. The curtain approaches the upper end position.

Push the **UP** button only briefly (jog mode at YES, impulse mode at Combio Pulse). The curtain starts and stops again.

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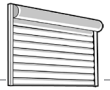
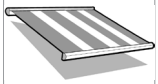
Intermediate positions of the curtains

	Roller shutter 	**Awning** 	**Venetian blind**	**Interior shading**
Pos ▼	Intermediate position	Intermediate position	Intermediate position	Intermediate position 1
Pos ▲	Ventilation position	-- /Cloth tension	Turning position	Intermediate position 2

Moving to intermediate positions
Moving to ventilation / turning position

Requirement

The transmitter/transmitter channel has been programmed. The curtain is in the bottom end position.

1. Tap the middle of the screen in the channel view.

2. In the dialogue window "Channel scenes channel number", 4 different interim positions can be moved to by tapping them - sensibly according to the application roller shutter, awning, Venetian blind or interior shading:
   Intermed. position,
   ventilation position,
   intermed. position + ventilation position,
   close + ventilation position

3. The shutters will move to the selected, registered ventilation / turning position.

If no ventilation/turning position is programmed, the curtain travels to the upper end position (not if Combio Pulse is in use).

Requirement

In order to be able to use the ventilation position and the intermed. position, they must be programmed via a different transmitter from the **elero** ProLine 2 product family (e.g. TempoTel 2 or MultiTel 2). On this, compare the respective transmitter instruction.

The travelling movement is visualised by additional symbols in the display.

4.4 Operation of the MultiTec Touch-868 /-915 with Combio JA Pulse

A Combio 867/868/915 JA Pulse can be used for the precise adjustment of the slats for Venetian blind drives.
The pre-set pulse time of Combio Pulse is cycled by pressing the **UP** or **DOWN** touch fields.

Deleting positions/deleting transmitters

Setting and deleting ventilation and intermediate positions is not possible via the MultiTec Touch-868. This is done via a separate programmed hand-held transmitter from the **elero** ProLine 2-product family.

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Deleting individual transmitter channel in the receiver

1. Push touch field configuration.

2. Push touch field channels.

3. Select touch field of the desired channel.

4. Push touch field delete channel.

The channel in the transmitter is now deleted.

4.5 Moving to intermediate position / ventilation position / turning position

Requirements:

The intermediate position and ventilation position for the application roller shutter or the turning position for the application Venetian blind must have been set up with another transmitter than the MultiTech Touch-868 /-915.

The transmitter has been programmed and the intermediate position (roller shutter) or turning position (Venetian blind) of the driver is set. The curtain is in the upper end position.

❑ Push the **DOWN** button in the upper end position twice briefly.

The curtain will move to the registered intermediate position. In the case of Venetian blinds, the slats turn automatically after reaching the intermediate position if a turning position has been programmed. If no intermediate position is programmed, the curtain travels to the lower end position (not if **elero** Combio Pulse is in use).

❑ Push the **UP** button in the lower end position twice briefly.

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The curtain will move to the registered ventilation / turning position. If no ventilation/turning position is programmed, the curtain travels to the upper end position (not if **elero** Combio Pulse is in use).

4.6 Delete transmitter channel in the receiver or Delete all transmitters in the receiver

❑ In the menu **Channel/group settings**, select the function **Delete channel**.

❑ Select the function button to delete the selected channel **Delete** (only the selected channel is deleted in the receiver) or function button to delete all transmitters in the receiver **Delete channel** and confirm the respective deletion process.

5 Specifications

All information in this chapter refers to an ambient temperature of 20 °C (± 5 °C).

Specifications MultiTec Touch-868 /-915	
Mains connection	230 V AC
Power supply via Mini-USB (socket)	5 V DC, max. 0.5 A
Power supply / standby	0.5 W (typical)
Battery type	CR 2032
Protection type	IP20
Permitted ambient temperature [°C]	0 to 45
Radio frequency [MHz]	868 | 915

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Specifications MultiTec Touch-868 /-915	
Weight (incl. battery) [g]	200
Scope of supply	Mains unit with wall holder Operating instructions Mounting bag with 2 screws and dowels
Conformity	CE

Fig. 8 Specifications MultiTec Touch-868 /-915

6 Cleaning and maintaining the device

- ❑ Clean the device surface only with a soft, clean, and dry cloth.
- ❑ Do not use any cleaning agents and solvents.
- ❑ Keep the device dry.
- ❑ Do not use the device in dusty or dirty environments.
- ❑ Do not try to open the device other than described in the operating instructions.
- ❑ Unauthorised changes may damage the device and violate the provisions applicable to radio devices.
- ❑ Do not drop the device, do not expose it to impacts or shock and do not shake it. Rough handling may damage the electronic circuits and mechanical parts in the device.
- ❑ Keep the device away from magnets or magnetic fields.

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7 Certification

7.1 EC Declaration of Conformity

elero GmbH hereby declares that the MultiTec Touch-868/ -915 complies with the basic prerequisites and the other relevant provisions of the EC directives. The complete declaration of conformity can be found in the download area of our website.

7.2 Certification FCC / IC

7.2.1 US: Addendum to the manual

FCC / IC approval

This device (MultiTec Touch-915) complies with part 15 of the FCC Rules and RSS-210. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer could void the user‘s authority to operate the equipment.

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7.2.2 CA: Addendum au manuel

Homologation FCC / IC

Le présent appareil (MultiTec Touch-915) est conforme aux FCC part 15 et CNR-210 d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

8 Troubleshooting

Fault	Cause	Remedy
Drive does not run	1. Receiver outside of radio range 2. Receiver not operating or faulty 3. Receiver not yet programmed	1. Reduce distance to the receiver 2. Switch on or replace receiver 3. Program receiver
Desired drive does not run	Incorrect group or channel selected	Select correct group or channel
End positions are approached inaccurately	End positions not yet set	Have the end positions set by a specialist in accordance with the product instructions
Drive operates in the wrong direction	Directions are incorrectly allocated	Delete transmitter and program it again

Fig. 9 Troubleshooting in the MultiTec Touch-868 /-915

9 Repair

If you have any questions, please refer to your specialised company.

Please always state the following information:

- ❑ Item number and item designation on the nameplate
- ❑ Error type
- ❑ Previous and unusual events
- ❑ Surrounding circumstances
- ❑ Own assumption

10 Manufacturer's address

elero GmbH
Antriebstechnik
Linsenhofer Str. 65
72660 Beuren

Germany
Phone: +49 7025 13-01
Fax: +49 7025 13-212
info@elero.de
www.elero.com

Should you require a point of contact for outside of Germany, please visit our website.

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11 Disposal / notes on environmental protection

Since implementation of the European directives 2002/96/EC and 2006/66/EC in national law, the following applies:

Electrical and electronic devices as well as batteries must not be disposed of in the household waste. The consumer is required by law to return electrical and electronic devices as well as batteries to the public collection points provided for this or the point of sales at the end of their service lives. Details on this are provided for by the respective national law.

The icon on the product, the operating instructions or the packaging refers to these provisions. Reuse, recycling or other forms of use of old devices or batteries make an important contribution to protect our environment.

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