

# Touch Centre



**Touch Centre XL 4C Wired**  
**Touch Centre M 2C Wired**

Art.-no.: 01080212  
 Art.-no.: 01080210

Central controls for sunshade devices.

## Short description

- Colour touch-screen display with easy-to-use icons
- 2- resp. 4-channel control for individual control of all types of sunshade devices
- Easy to use and configure thanks to automatic sensor recognition and help features
- Floating group outputs for operating decentralised controls
- Connection options:  
 M 2C-Versions: 2 × wind-, 4 × Lux-, 1 × rain-, 2 × temperature sensors and a radio-controlled clock to the control box  
 XL 4C-Versions: 2 × wind-, 8 × Lux-, 1 × rain-, 2 × temperature sensors and a radio-controlled clock to the control box
- Display box with integrated temperature sensor
- Wind, sun, rain and temperature functions and sensors can be individually set on each channel
- Option of connecting external Up/Down buttons and a maintenance switch
- Option of connecting an floating channel for a fire alarm system
- Motor run time/tilting time can be individually set
- Control and display box communicate via 4-wire cable (4 × 0.8 mm<sup>2</sup>) RS 485

## Installation



### WARNING!

**Risk of injury due to improper installation and commissioning. Improper installation and commissioning may lead to personal injury or property damage.**

Therefore:

- When connecting the device, observe the currently valid VDE standards (in particular DIN VDE 0100/0700), your local power company's regulations and the current accident prevention regulations.
- Connect the control in accordance with the wiring diagram.

1. Switch off the power supply.
2. Unscrew the housing cover, take off the housing cover of the control box and mount the housing at the outer four drill holes in the corners. The housing must be mounted such that the cable glands are located underneath. The control box must be mounted in a position that is well protected from direct sunlight.
3. Feed the cables through the bottom cable inlets in the housing and tighten the inlet. Unused cable inlets must be sealed.
4. Connect the cables in accordance with the wiring diagram.



### NOTE!

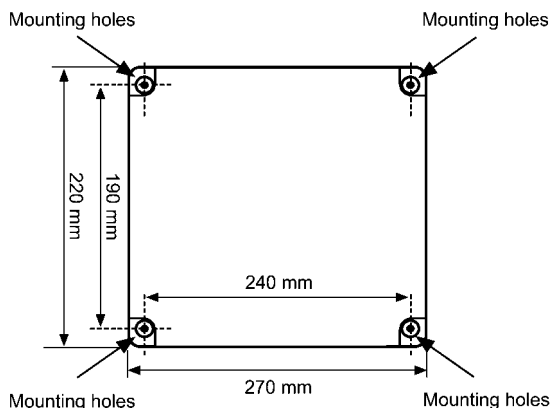
Mount the control device so that it is inaccessible to adults, children and animals. All cables must be permanently wired.

5. The output is floating (important for operating decentralised controls).
6. If one or more motors (230VAC, 50 Hz) resp. isolating relays are directly connected, a jumper must be fitted between terminal Common of the motor output and terminal L of the mains connection.
7. Replace the housing cover and tighten the housing cover screws.

## Safety precautions



- Contact a professional electrician to install the control system, because the control system requires a power supply of 230VAC, 50 Hz.
- Check the control system for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the control system and notify your supplier immediately.
- The control system should only be used for the purpose specified by the manufacturer (refer to the operating instructions). Any changes or modifications thereof are not permissible and will result in loss of all warranty claims.
- If it is no longer possible to guarantee the safe operation of the control or the connected devices, you should turn the control off immediately and make sure that it cannot be operated unintentionally.
- Before carrying out work on sunshading devices or skylights which are operated by the control, you must switch off the control box power supply.
- For safety reasons, if there is no rain or frost sensor connected to the control you are advised, depending on the sunshade design, to set the control to manual operation if the temperature falls below +1 °C. This will prevent the sunshade from extending automatically (e.g. due to the sun).
- This device contains a battery. The end user must recycle all used batteries. Disposing of the batteries in household waste is strictly forbidden (Directive 91/157 EEC).
- The use of a power pack other than the optional power pack supplied by the control's manufacturer may limit the functions available and/or damage the control. Such use is therefore not permitted.
- In the event of a power failure, the control and all connected devices will no longer be operable.
- For safety reasons, if a severe weather warning is issued, retract all connected devices in good time and change the operating mode of all groups to manual.



**Technical data**

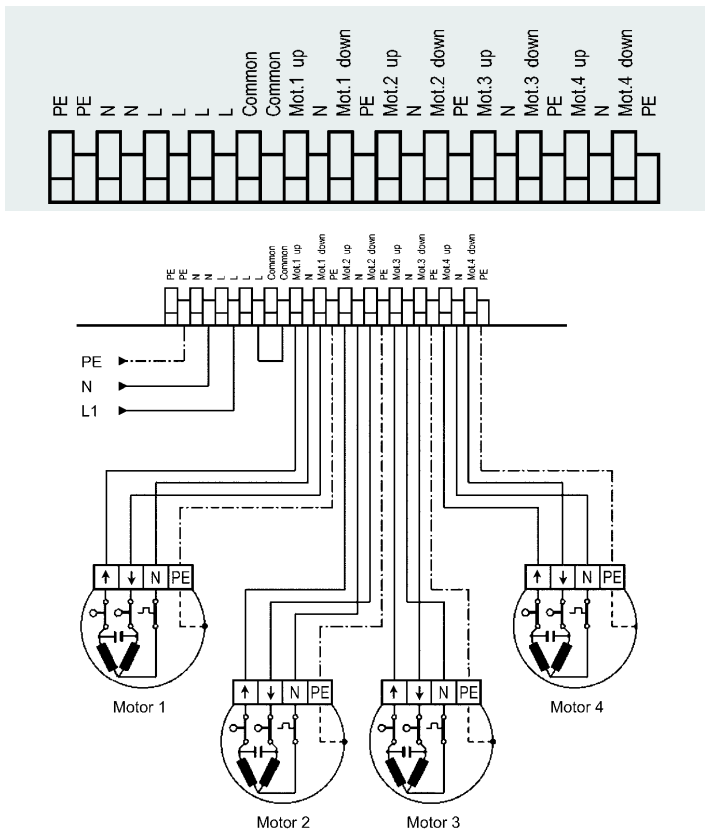
Power supply:	230VAC, 50 Hz
Impulse voltage withstand level:	2.5 kV
Rated power:	10 W
Max. load per output:	250VAC, 4A, $\cos \varphi \cong 0.8$ ind.
Max. rated power:	1380 W, 6A, 230VAC
Align switching time extend:	3 – 180 seconds or continuously
Software class:	A
Operating temperature:	0°C (32°F) to +40°C (104°F)
IP class:	IP 54 (control box) IP 20 (display box)
Degree of contamination:	2 (control box) 2 (display box)
Battery:	CR 2032
Dimensions (L x W x H):	270 x 220 x 108 mm (control box) 155 x 105 x 35 mm (display box)
Colour information – Standard versions:	display box: black (similar to RAL 9005) control box: light grey (similar to RAL 7035)
Mark of conformity:	CE

**The disposal of electrical equipment and batteries in household waste is strictly forbidden.**

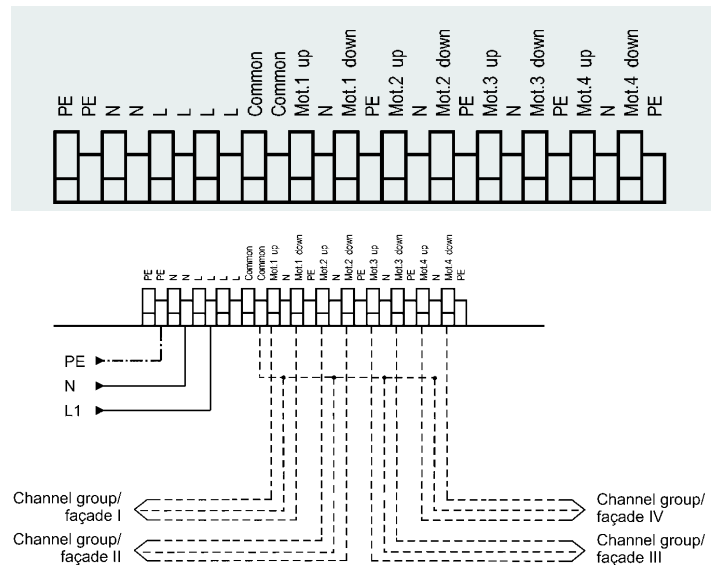


The symbol (dustbin crossed out, in line with WEEE Appendix IV) indicates separate collection of electrical and electronic products in EU countries. Do not dispose of the device or battery in your household waste. Ask your town or local council about the return and collection systems available in your area to dispose of this product.

**Mains and motor connection**



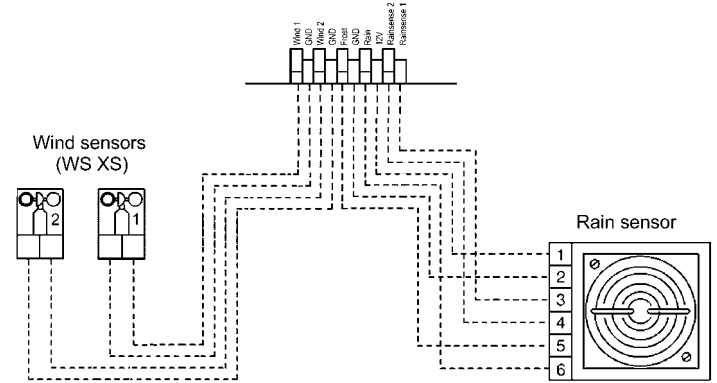
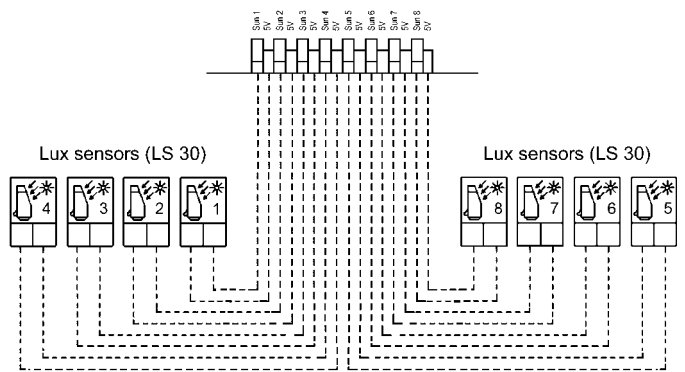
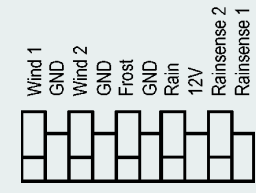
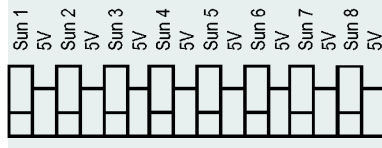
**Mains and decentralised control devices**



**i NOTE!**  
No terminals Mot. 3 up to Mot. 4 down for version M 2C Wired available.

**Lux sensors connection**

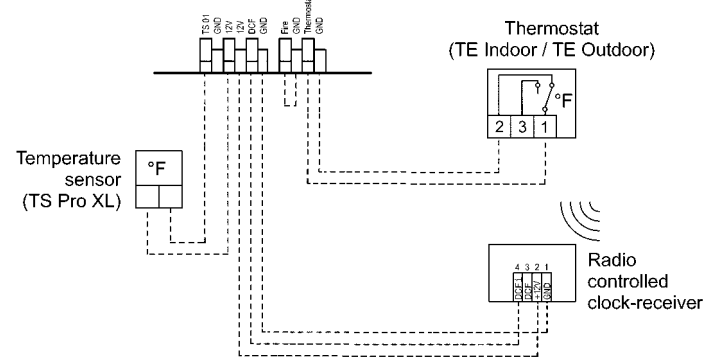
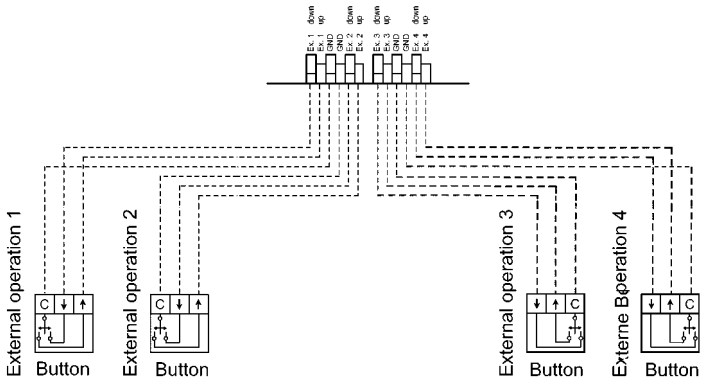
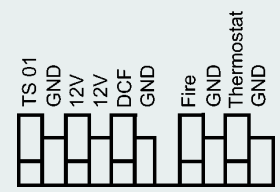
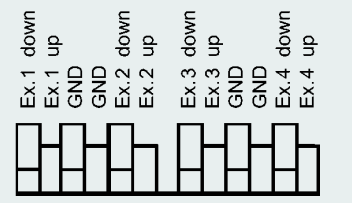
**Wind/rain sensor connection**



**NOTE!** No connection possible for lux sensors 5 to 8 for version M 2C Wired.

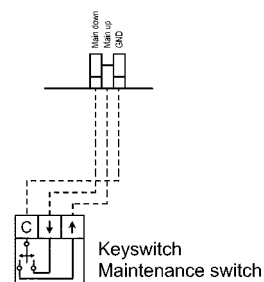
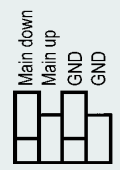
**External buttons connection**

**Temp. sensors/radio-controlled clock connection**



**NOTE!** No connection possible for button of external operation 3 and 4 for version M 2C Wired.

**Maintenance connection**



**Display box installation**

**Handling of mounting plate for attachment of display box**

Unplug the pre-punched cable gland in the mounting plate (see Figure 1, red shaded area) using a screwdriver and feed the connecting wires of the 4-wire interface through it (see Figure 2). Then attach the mounting plate accordingly.



Figure 1



Figure 2

**Connecting the display box**

- Remove the 6 screws on the back of the display box housing.
- Remove the rear of the housing.
- Using a screwdriver, unplug the pre-punched cable gland (see Figure 3, red shaded area).
- Feed through the 4-wire interface cable and connect in accordance with the wiring diagram (see below).
- Replace the rear of the housing and screw it down using the 6 screws.
- The display box can then be mounted in the mounting plate.

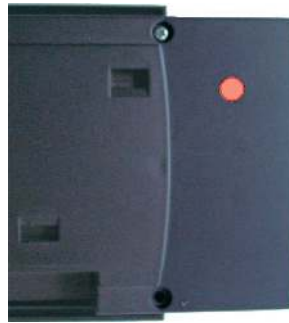
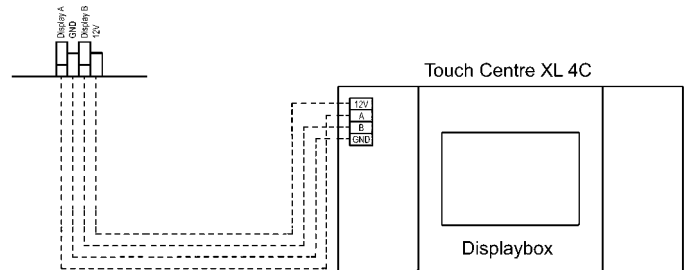
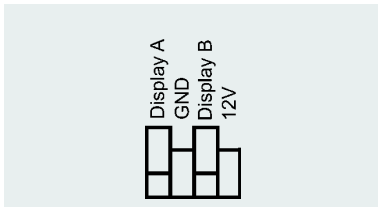


Figure 3

**Display box connection**



**ATTENTION!**  
Before start-up check the connection.  
Improper installation may lead to property damage.