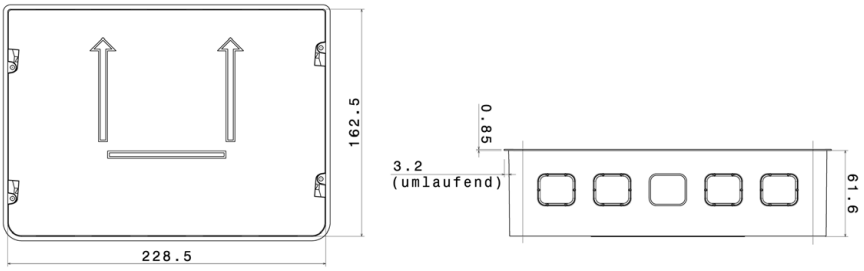
Brief Instruction ▸ Mounting WS1000 Color-PF

Warning, mains voltage! National legal regulations are to be observed. Installation, inspection, commissioning and troubleshooting of the device must only be carried out by a competent electrician.

Preparing the installation location

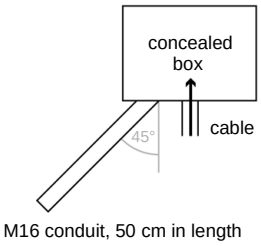
The device must only be installed and used in dry, interior spaces. Avoid condensation.

Cut-out dimensions for concealed box (approx.): W=229 mm | H=163 mm | D=62 mm:

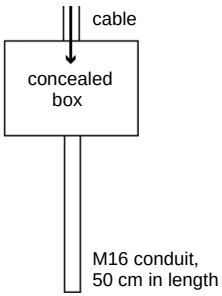


An external antenna can be connected in order to improve wireless communications. During installation, a **conduit 50 cm in length** should be placed beneath the recessed housing, in which the external antenna can be mounted (antenna dimensions approx. 565 x 8 x 5, L × W × H in mm):

Conduit angled diagonally downwards (for cable access from above or below)

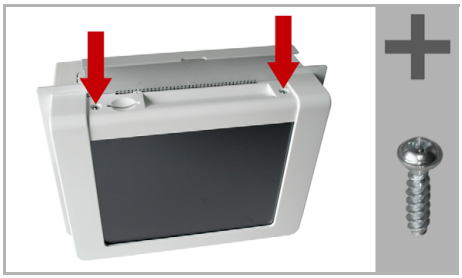


Conduit angled vertically downwards (only for cable access from above!)

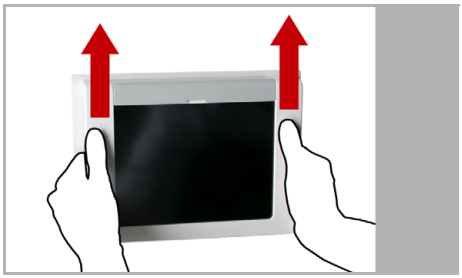


Brief Instruction ▸ Mounting WS1000 Color-PF

Preparing for installation



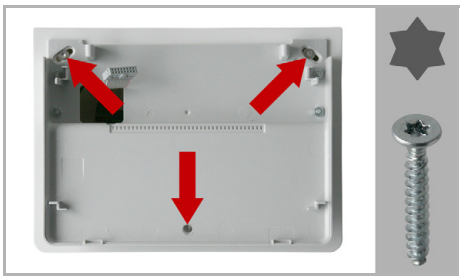
To take off the front plate, remove the screws beneath the lid.



Push the upper section of the housing (frame with display) up a little and lift it off.

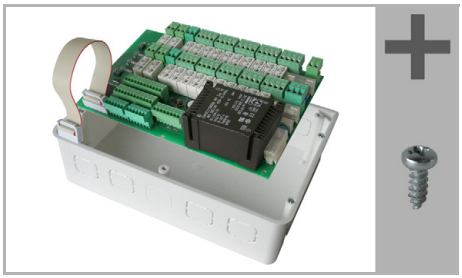
Caution: The display is connected with a flat-ribbon cable to the circuit board in the concealed box. Loosen the plug so that the upper section can be removed.

The lid cover is only attached by a hinge. Take care not to lose it.

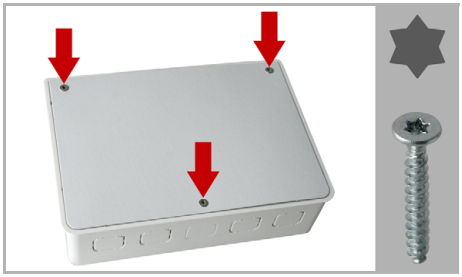


The lower section of the housing together with the wall-mounting plate is attached to the concealed box with 3 screws: Loosen the screws and take off the lower part.

Wall-fitting



Remove the circuit board from the concealed box to be installed a keep it in a place where it is protected from dirt. **It may never be exposed to dust or moisture!**



For fitting, screw the cover (board) on to the concealed box with the enclosed screws.

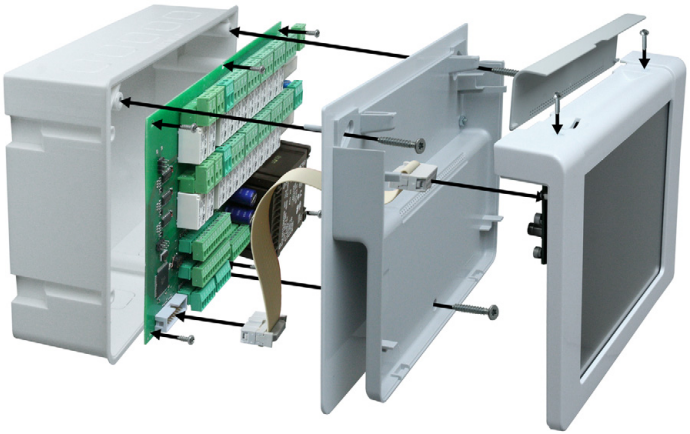
Cavity wall fitting

Clamp the concealed box to the wall with the four enclosed screws.

Upon delivery, the pouch containing the assembly screws can be found in the control unit's flush-mounted casing.

Assembling the control unit with concealed box

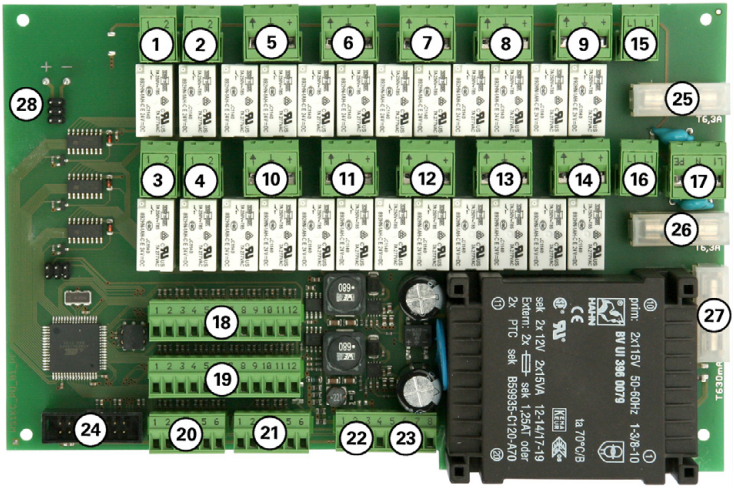
During electrical installation, please introduce all connection cables into the concealed box through the lower or upper side wall. In the process, keep the individual connection wires short to prevent long reserve loops.



After connecting the cables screw the lower section of the housing (with the mounting plate) onto the concealed box. Connect the flat ribbon cable to the display.

Put the lid cover on the upper section of the housing (frame with display). Put the upper section of the housing onto the lower section of the housing from above and move it downwards until the bottom edges are aligned. Screw on the upper section.

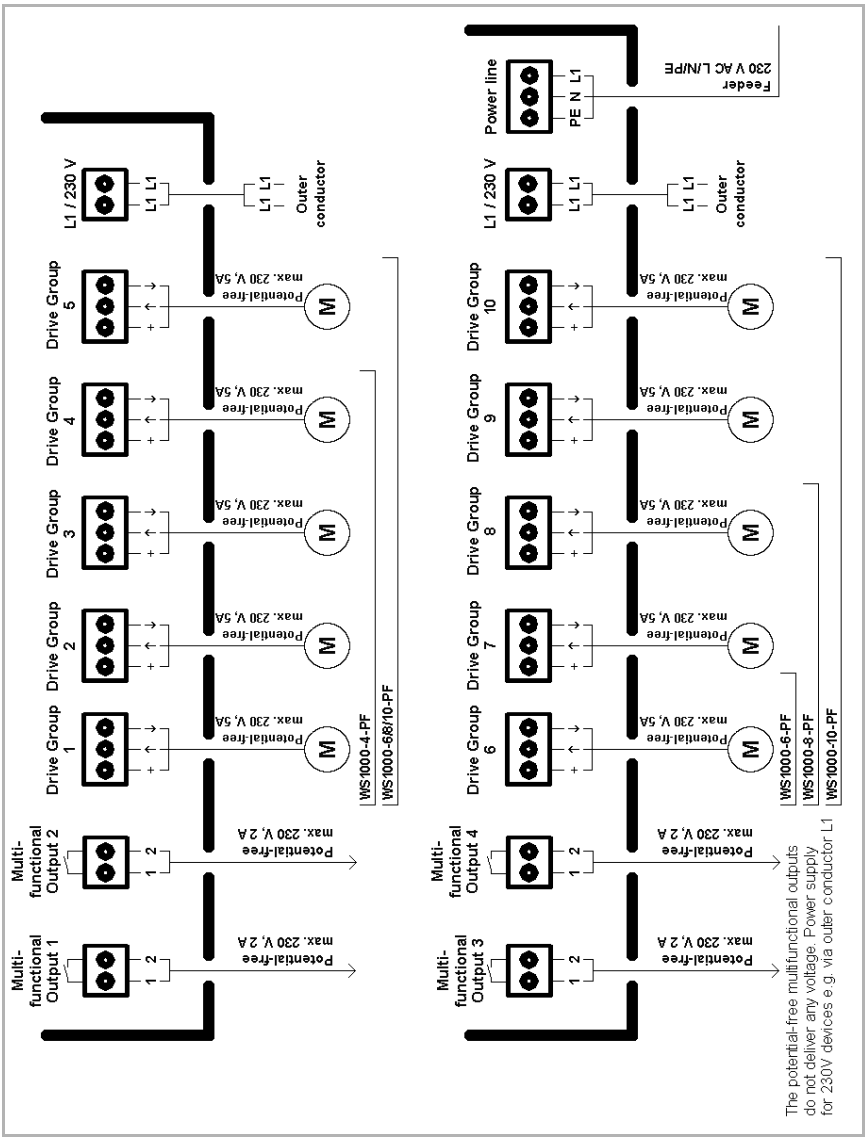
Structure of the connector board WS1000 Color-PF



1 *Multifunctional output 1 (potential-free)*
2 *Multifunctional output 2 (pot.-free)*
3 *Multifunctional output 3 (pot.-free)*
4 *Multifunctional output 4 (pot.-free)*
5 *Drive group 1 (potential-free)*
6 *Drive group 2 (potential-free)*
7 *Drive group 3 (potential-free)*
8 *Drive group 4 (potential-free)*
9 *Drive group 5 (potential-free)*
10 *Drive group 6 (potential-free)*
11 *Drive group 7 (potential-free)*
12 *Drive group 8 (potential-free)*
13 *Drive group 9 (potential-free)*
14 *Drive group 10 (potential-free)*
15 *Outer conductor L1*
16 *Outer conductor L1*
17 *Mains connection L/N/PE 230 V/50 Hz*
18 *Wall button 1 (terminals 1-3)*
Wall button 2 (terminals 4-6)
Wall button 3 (terminals 7-9)
Wall button 4 (terminals 10-12)
19 *Wall button 5 (terminals 1-3)*
Wall button 6 (terminals 4-6)
Wall button 7 (terminals 7-9)
Wall button 8 (terminals 10-12),
20 *Wall button 9 (terminals 1-3)*
Wall button 10 (terminals 4-6),
21* *Multifunctional input 1 (terminals 1-3)*
Multifunctional input 2 (terminals 4-6)
22 *Weather station (terminals 1-2)*
23* *Multifunctional input 3 (terminals 3-5)*
Multifunctional input 4 (terminals 6-8)
24 *Connector for flat-ribbon cable to front board*
25 *Microfuse T6.3 A (Drive 1-5)*
26 *Microfuse T6.3 A (Drive 6-10)*
27 *Microfuse T630 mA*
28 *Slot KNX interface*
* *Supply voltage indoor sensor (or e. g. cameras) possible via MF inputs (No. 21, terminals 1(+), 2(-) | 4(+), 5(-), No. 23, terminals 3(+), 4(-) | 6(+), 7(-)), max. 400 mA altogether.*

Connection diagrams

Drive and MF outputs WS1000-PF:



Inputs WS1000-PF: