

Keep for future use!
Valid from 20 July 2011

General

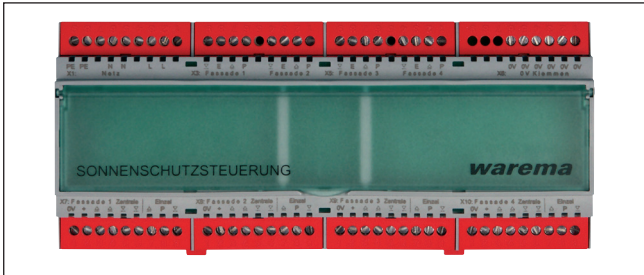


Fig. 1 GA Kompakt REG

The floor distribution control (GA) enables the central control of the motor control units of a floor. The control signals from the sun shading control system are forwarded to all motor control units of a floor. The sunshade drives of this floor can be distributed to up to four facades via the GA and controlled separately. In addition, four facade push buttons can be connected to the GA, which enables the connected motor control units to be jointly operated for each facade.

Intended use

The device was developed to control sun shading systems. The approval of the manufacturer must be obtained for uses outside of the purposes listed in these instructions.

Safety instructions



WARNING

The electrical installation must be performed by a certified electrician in accordance with the electrical installation regulations published by the Association of German Electrical Engineers (VDE 0100) or the standards and regulations of the country in which the device is being installed. The specialist must observe the installation instructions included with the electrical device.



WARNING

If hazard-free operation cannot be assumed, the device may not be started or must be deactivated. This assumption is justified

- ▶ If the housing or the supply lines show signs of damage,
- ▶ The device is no longer working



WARNING

It is important to comply with the following instructions in the interest of personal safety!

- Do not allow children to play with the operating elements of the control or remote control. Store the remote controls out of range of children.
- Make sure that no persons or objects are in the range of movement of the driven parts (blinds, window, etc.).
- Disconnect the device from the supply voltage if cleaning or other maintenance work must be performed.

Function

Move commands from the local facade push buttons are forwarded to the connected motor control units via the GA Kompakt. After the button is pressed, the sun shading system moves in the corresponding direction and stops after two seconds. If the button is pressed for more than two seconds, the control will stay activated automatically. The button may then be released. The sun shading system moves until the fixed run time of three minutes has expired. In order to clear the locked state and stop the motor, briefly press the button for the opposite direction of movement. The move commands from a sun shading control system have priority over the move commands from the facade push buttons and are directly forwarded to the motor control units. Operation via the facade push button is blocked during a central command.

Installation

The motor control unit is, depending on the selected method of installation, designed for surface mounting (AP) or for installation in a distributor (REG).

- AP: Insert a slotted screwdriver (recommendation: 3.0 - 4.0mm blade) into the respective cover opening (see Fig. 4) and carefully pry the folding cover open. Repeat the procedure for the second opening of the cover. The cover can be folded up when both catches have been released. The second cover can be opened in the same manner. Alternatively, the surface-mounted variant can be mounted on a DIN rail (TH 35-15 as per EN 60715: 2001).
- AP IP54: This device type is suitable for use in damp locations. After the enclosure is mounted, remove the two blue transport protectors (foam inside the enclosure).

- **REG:** When installing the device in a distributor, clip it onto a symmetrical DIN rail (TH 35 as per EN 60715: 2001). To ease connecting the device, the terminal covers can be removed (see Fig. 2). One of the terminal covers can be removed to connect the network.

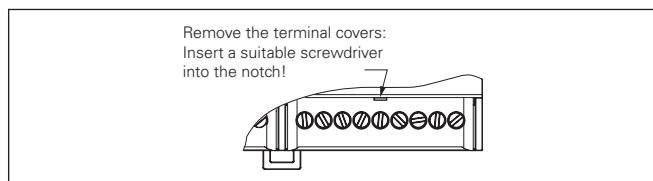


Fig. 2 Removing the terminal covers (REG variant)

- The electrical connection of the motor control unit is established according to the wiring diagram on the back (see Fig. 6).

Electrical installation

An on-site overload current protection device (fuse) and a disconnecting and isolating switch to switch off the entire system must be provided.

The device meets the EMC directives for use in residential and commercial areas.

Commissioning

The device is operational after the installation has been completed and the supply voltage applied.

Maintenance

There are no parts within the device that require maintenance.


Liability

Failure to comply with the product information in these instructions and use of the device in a manner that contravenes its intended use and purpose may result in the manufacturer refusing to honour warranty claims for product damage. In this case, liability for consequential harm to persons or damage to property will also be excluded. Follow also the instructions in the operating manual of your sun shading system. The automatic or manual operation of the sun shading system when it is iced over, and use of the sun shading system during severe weather, may cause damage and must be prevented by the user by taking suitable precautions..

Disposal

After its use, the device must be disposed off according to legal regulations or returned to your local recycling centre.

Technical data

GA Kompakt	Min.	Typ.	Max.	Unit
Supply 230 V AC				
Operating voltage	198	230	253	V AC
Current consumption, primary	12	14	16	mA
Floating output				
DC switching voltage per facade		24	36	V DC
AC switching voltage per facade		230	253	V AC
Switching capacity per facade 230 V AC/cos $\varphi = 0.6$			700	VA
Switching capacity per facade			72	W
Control per facade				
Central voltage active	8	24	36	V DC
Central current active	0.2	1	1.5	mA
Central voltage inactive	-0.5	0	1.5	V DC
Local voltage active	8	24	36	V DC
Local current active	1	1.5	2	mA
Local voltage inactive	-0.5	0	1.5	V DC
Run time, up/down		3		min
Enclosure				
Dimensions	See Fig. 3, 4, 5			
Degree of protection/safety class				
Degree of protection (AP housing) IP 54	IP54			
Degree of protection (REG/AP housing)	IP30			
Safety class	I			
Conformity	 Available at www.warema.de			
Ambient conditions				
Operating temperature	-5	20	40	°C
Storage temperature	-20	20	80	°C
Humidity (not condensing)	10	40	85	%R _H
Miscellaneous				
Automatic operation	Type 1			
Software class	A			
Connection				
All connections	Screwed terminals			
Terminals				
All terminals	0.5 ... 2.5 mm ²			
Test standards				
Product standard	DIN EN 60730-1: 2002-01			
EMC basic standards	DIN EN 61000-6-1:2002-08			
	DIN EN 61000-6-3: 2002-08			
	DIN EN 50366: 2003-11			

GA Kompakt	Min.	Typ.	Max.	Unit
Miscellaneous				
Automatic operation				Type 1
Software class				A
Location of use				Clean environment
Article number				
GA Kompakt in AP housing				1002 743
GA Kompakt in AP housing IP54				1002 629
GA Kompakt in REG housing				1002 628
WAREMA Renkhoff SE Hans-Wilhelm-Renkhoff-Strasse 2 D-97828 Marktheidenfeld				

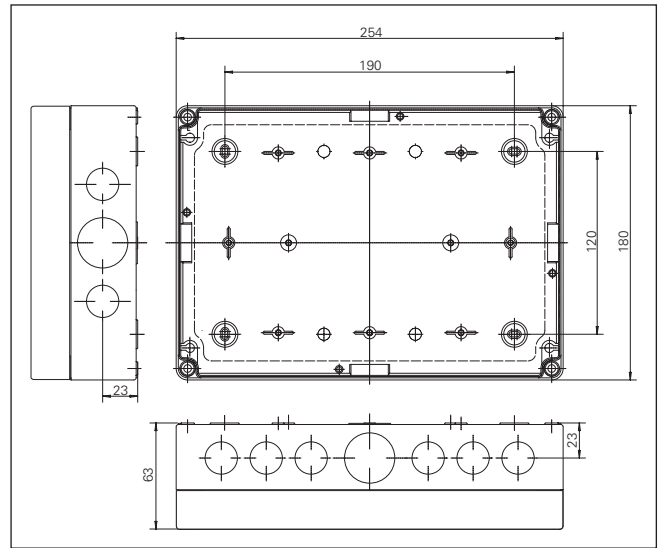


Fig. 3 AP housing

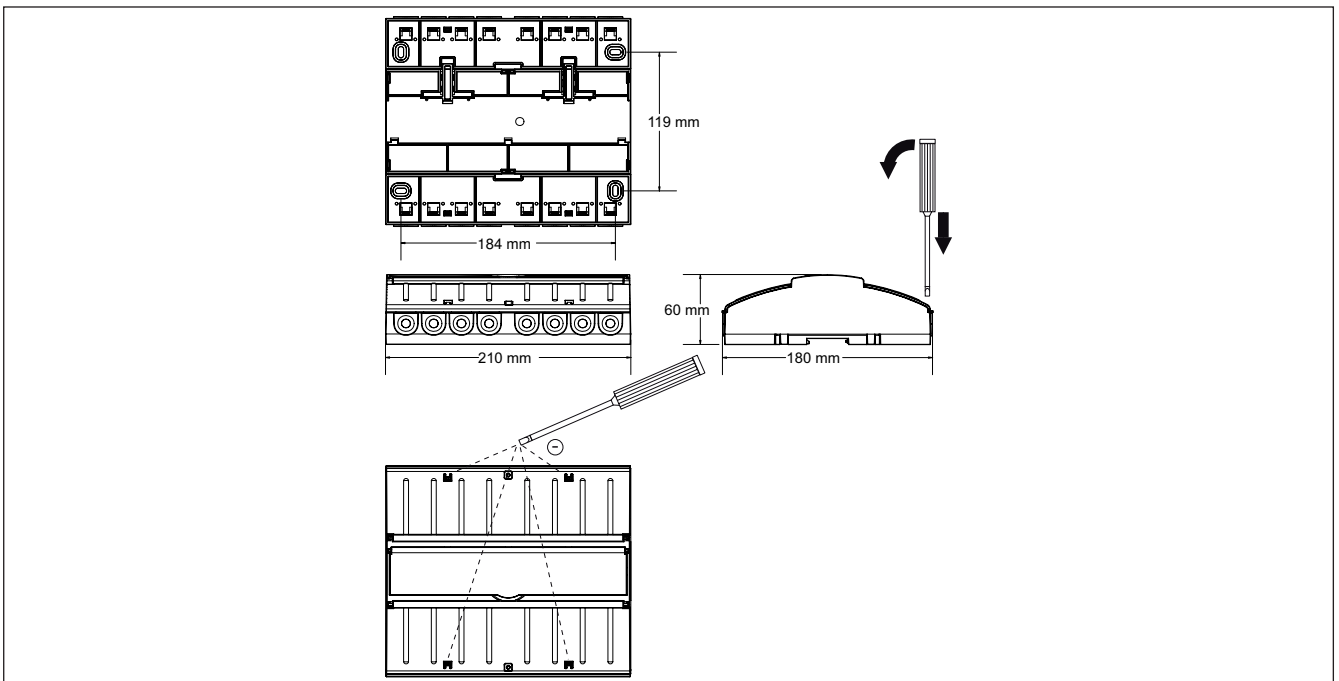


Fig. 4 REG housing

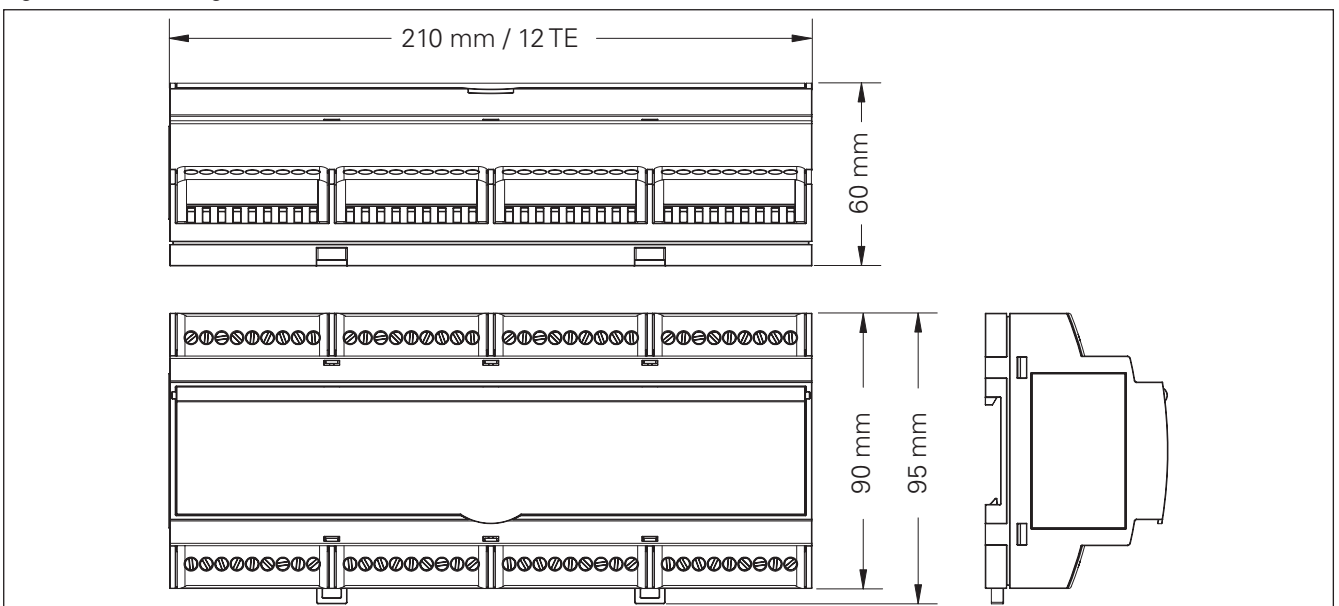


Fig. 5 REG housing

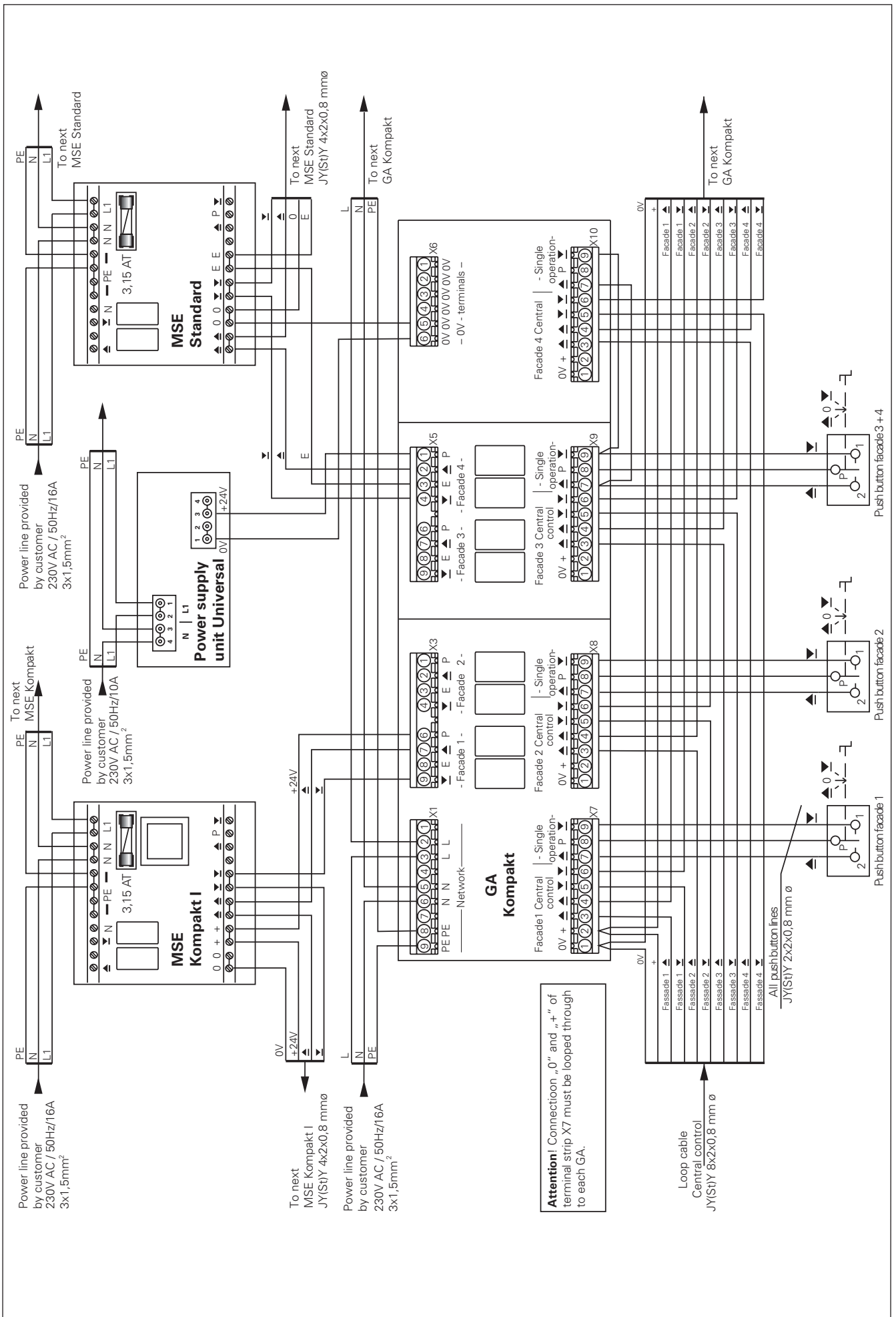


Fig. 6 Connection example of the floor distribution control with MSE Kompakt I and MSE Standard. For additional wiring diagrams, see "Wiring diagrams for MSE, power supply units and GA", art. no. 816345.