



According to the low voltage directive: 2006/95/EC / the EMC directive: 2004/108/EC

## EN MOUNTING INSTRUCTIONS

Potentiometer for external setting of controllers with 0..10 V input and voltage supply + 10V. The desired output voltage 0..10 V is adjusted steplessly by the rotary button. Additional switch function e.g. for controller enable ON / OFF.

### Technical data

- < Type potentiometer 10K (IP54)
- < Resistor 10 kΩ (-20 % / +20%)
- < Switch rating: 4 A / 250 Vac - 10 A / 12 Vdc
- < Permissible ambient temperature 35 °C
- < Plastic enclosure ABS RAL9001
- < Housing protection for surface mounting IP54. For flush mounting IP44
- < Weight 145g

The device is constructed in accordance with the current state of technology and the recognised safety regulations. Nevertheless, use of the device is associated with dangers which may cause death or injury to users or third parties as well as damage to the system and other objects.

The device is intended exclusively for the tasks listed in the order confirmation. Any other or extraordinary uses of the device (unless previously agreed by contract) are considered contrary to regulations. The manufacturer is not liable for damages resulting from incorrect use. The operating company alone bears the risk.

To allow for future developments, construction methods and technical data given are subject to alteration. We do not accept any liability for possible errors or omissions in the information contained in data, illustrations or drawings provided.

### Safety measures

Apart from the operating instructions and the obligatory regulations to be followed by users relating to accident prevention, the recognised technical regulations must also be observed (safety and branch-related work as per UVV, VBG, VDE, etc.).

These devices are potentially dangerous if they are used incorrectly by untrained personnel or are not implemented according to their specified use. Work on electric components/modules may only be carried out by trained electricians in accordance with electro-technical regulations (e.g. EN 60204, DIN VDE 0100/0113/0160).

The contractor or owner must also ensure that the electric systems and equipment are operated and maintained in accordance with electro-technical regulations.

It is forbidden to carry out work on electrically live parts. The rating given in the enclosure for the device when open is IP00! It is possible to inadvertently touch components carrying hazardous voltages! During operation, the device must be closed or installed in a control cabinet. Fuses may only be replaced by new ones and must not be repaired or bypassed. Use only specified fuses.

The safe isolation from the supply must be checked using a two-pole voltage detector.

Any faults detected in the electric system/modules/operating equipment must be corrected immediately. If these faults are not corrected, the device/system is potentially very dangerous. The device/system must therefore not be operated when it is faulty.

Check the packaging and controller for damage. Store the controller in its original packaging in a dry and weather-proof room. The device must not be exposed to extreme heat and low temperatures.

### Installation

For installation take the rotary button off. Remove the hexagon nut and the cover.

Assemble the device on a clean and stable base. Do not distort during assembly! Use the appropriate mounting devices for proper installation of the unit! For extremely moistens conditions a hole for condensation water is to be drilled at the bottom of the surface mounting case (see drawing). For flush-mounting the surface mounting case is void. Pay attention that no fluids enter the controller.

Do not mount equipment on vibrating base! Protect the device from direct exposure to sunlight! Clean with non-aggressive products and means. Entry cables professionally and make connection in accordance with connection diagram. Install afterwards the controller, use the enclosed screws and washers. Then install cover again, firmly press in rotary button and check correct function.

### Disturbances

Check terminals.

### Warranty

Two years from delivery date against defects in manufacturing. Any modifications or alterations to the product relieve the manufacturer of all responsibility.

The manufacturer bears no responsibility for any misprints or mistakes in this data, and modifications or improvements to the product can be made at any time after date of publication.

### Maintenance

In normal conditions the controllers are maintenance-free. If soiled clean with dry or dampish cloth. In case of heavy pollution clean with a non-aggressive product. In these circumstances the controller should be disconnected from the mains. Pay attention that no fluids enter the controller. Only reconnect the controller to the mains when it is completely dry.



All works may only be carried out by skilled personnel following the local regulations and AFTER the controller is completely separated from the mains.

Replace fuse only with same type and rating.

