

# INSTRUCTION MANUAL

Surge Protective Device  
Remote Signaling set  
Model D9401S



Communication system for surge protective devices complete product range.

**1. Safety notes**

**WARNING:**

The installation and startup of this device may only be performed by an authorized (electrically) skilled person. The relevant country-specific regulations must be observed.

**WARNING: Risk of electric shock and fire**

Check the device for external damage. If the device is defective, it must not be used. Take care to ensure that the operating voltage of the feed-in power supply unit does not exceed the maximum permissible voltage at the input of the remote signaling module.

**2. Mounting**

The device is designed for mounting on grounded NS 35 DIN rails according to EN/IEC 60715.

To protect the device against mechanical or electrical damage, install it in a suitable housing with appropriate degree of protection as per EN/IEC 60529.

**NOTE:**

The distance between transmission module and receiver module may amount to a maximum of 255 mm. This corresponds to 40 surge protection modules of 6.2 mm width.

**2.1 Connecting cables**

Ensure the correct arrangement of the transmission module and receiver module.

- Connect the auxiliary power supply to the transmission module and receiver module. The surge protection modules to be monitored require no additional power supply.

**3. Remote signaling**

As soon as a defective device is detected, the relay contact in the receiver module opens. This happens with a delay time of 5 seconds.

After replacing the defective surge protection module, the remote signaling modules automatically return to the "OK" mode. The relay contact is a potential-free N/C contact (normally closed). It is adapted for connection into a higher-level alarm indication system.

**Operating voltage:** 10-30 Vdc

**Operating current:** 30 mA (24 V), 60 mA (10 V)

**Switching function:** potential-free normally close contact

**Contact rating:** 500 mA 30 Vdc 15 W, 500 mA 24 Vac 12 VA

**Environmental conditions:**

**Operating:** temperature limits -40 to +60 °C.

**Storage:** temperature limits -40 to +85 °C.

**Compatibility:**

**CE** CE mark compliant, conforms to Directives: 2014/30/EU EMC, 2011/65/EU RoHS

**Mounting:**

TH 35 DIN Rail according to EN/IEC60715.

**Weight:** about 70 g for each module.

**Connection:** screw terminal blocks to accommodate terminations up to 2.5 mm<sup>2</sup> flexible.

**Location:** installation in Safe Area.

**Protection class:** IP20.

**Dimensions:** Width 6.2 mm, Depth 83.5 mm, Height 105.8 mm.

