

# Centralized remote display unit RD-12 for insulation and transformer monitoring

## RD-12



- With RD-12, up to 12 medical IT systems monitored by IM-01.MED devices can be monitored remotely with one device
- This way, the alarm data and measurement values can be centralized into one place for the medical staff
- Gives an alarm of low insulation level, medical isolation transformer overload/temperature and faulty PE conductor
- Status information is indicated using LED lights and alarm sound
- More accurate status information is shown on the LCD display
- Insulation level as well as medical isolation transformer load situation and temperature are shown on the LCD display
- Alarm sound can be muted locally
- IM-01.MED system test can be initiated
- Monitors the connection to IM-01.MED

### Power supply specifications

|                       |             |
|-----------------------|-------------|
| Nominal input voltage | 12 – 24 VDC |
|-----------------------|-------------|

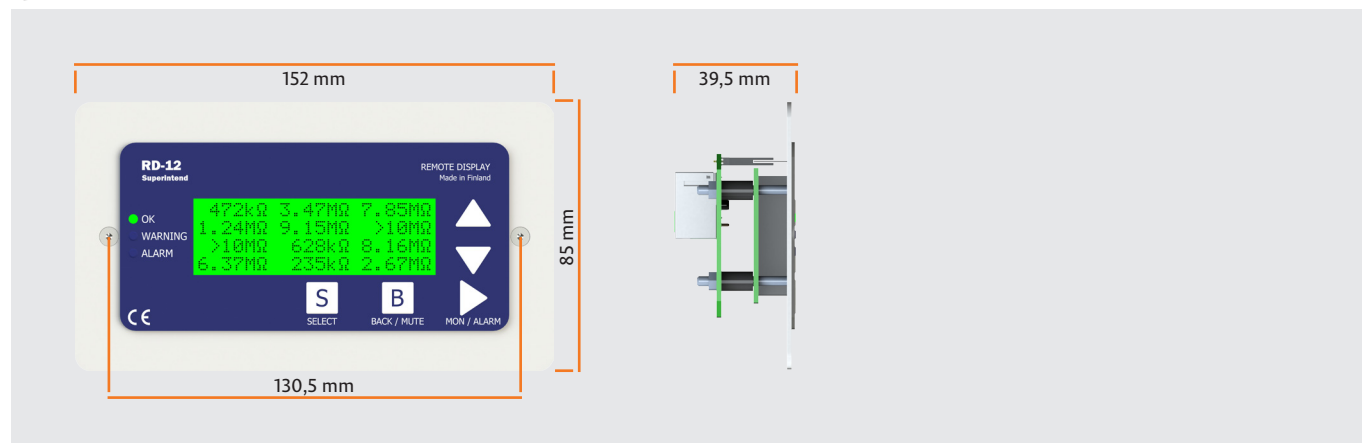
### Communication specifications

|                                                                                           |                                                                                                  |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Communication interface                                                                   | Ethernet (RJ45), RS-485                                                                          |
| Communication protocol                                                                    | Modbus/TCP, Modbus/RTU                                                                           |
| Alarm representation                                                                      | LEDs and audible alarm, alarm details shown on the display                                       |
| Measurement values to be shown on the display (read from the connected IM-01.MED devices) | Insulation resistance and capacitance values, isolation transformer load current and temperature |

### General

|                                                     |                        |
|-----------------------------------------------------|------------------------|
| Display format                                      | LCD, 4 x 20 characters |
| Device dimension (W x L x D)                        | 152 x 85 x 39,5 mm     |
| Optional flush mounting box dimension (W x L x D)   | 141 x 70,5 x 48 mm     |
| Optional surface mounting box dimension (W x L x D) | 160 x 120 x 90 mm      |

## RD-12



## Flush mounting box

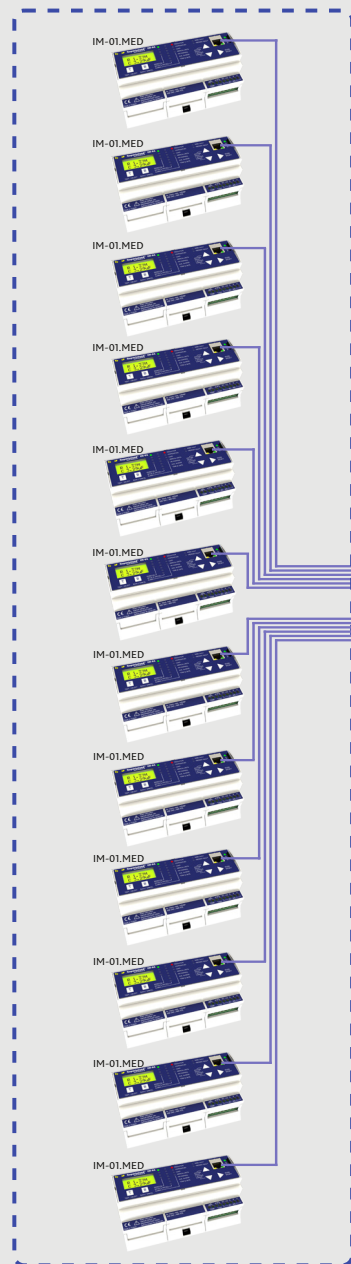


## Surface mounting box



## REMOTE MONITORING AND CONTROLLING OF LINE INSULATION

INSULATION MONITORING DEVICES  
12 PCS



REMOTE CONTROL AND  
ALARM DEVICE

RD-12



Modbus/TCP

ETHERNET SWITCH

Modbus/TCP



 MUUNTOSÄHKÖ OY TRAFIX  
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SUZHOU TRAFIX ELECTRONICS CO. LTD 

## Muuntosähkö

Trafox is a brand of Muuntosähkö Oy. We develop, manufacture and customise high-quality transformers, chokes, filters and Trafox Superintend® monitoring devices for a large number of applications.

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