

## Residual Current Monitoring

### RCM SERIES, TYPE VR-16



#### A FAULT CURRENT MONITORING SYSTEM FOR APPLICATIONS WHERE SPECIAL RELIABILITY IS REQUIRED FROM THE POWER SUPPLY

- Better fire and personal safety due to continuous monitoring of fault current
- Predictability of insulation faults
- Quick location of leakage currents deteriorating the electricity quality
- More reliable electricity system by minimizing interruptions in power supply
- Monitoring of load currents of zero and phase conductors and identifying possible overload situations in advance is also possible
- VR-16 is a new one-channel residual current monitor in a smaller size
  - Easier user interface and new features
  - Wide range for supply voltage
  - 500 mA alarm limit possible
- VR-16 continues the top quality of the popular VR-14 to demanding monitoring environments

#### Technical specifications

<b>Digital display of current and set values</b>	
Measuring range:	
Model VR16	10mA-10A
Model VR16/100	100mA-100A
Supply voltage	100 - 250V
VR16/DC supply voltage	24 VDC
Operating temperature	-10...+55 °C
Storage temperature	-20...+70 °C
Humidity	< 95 %, non condensing

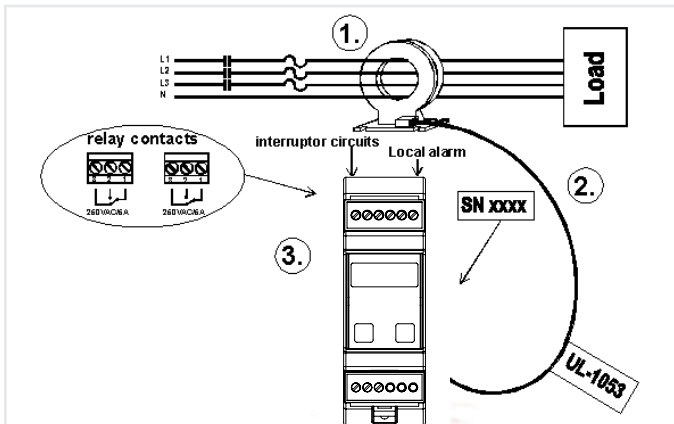
#### General

Dimension (W x L x D)	VR-16 36 x 110 x 62 mm
Case Material	Plastic
Mounting interface	DIN rail clamp or flush mounting with mounting kit
<b>Automatic self-testing</b>	

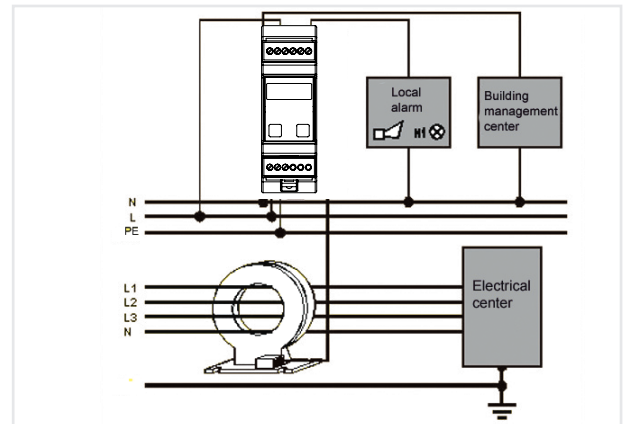
#### Standards

Safety	IEC 61010-1:2010 (3 <sup>rd</sup> Edition) EN61326-1:2013, CISPR 11:2003 +A1:2004+A2:2006, EN61000-4-2, EN61000-4-3, EN61000-4-6
EMC	

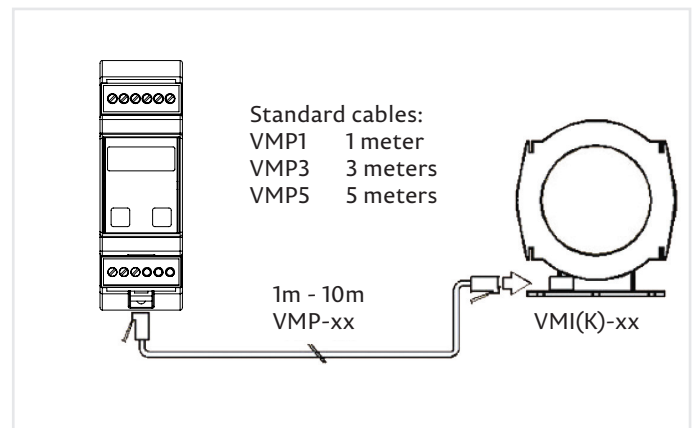
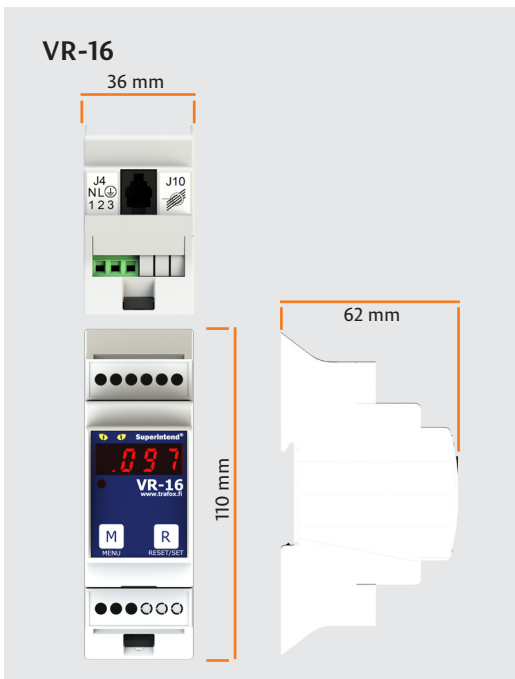
## Use of VR-16 monitoring system



Ground fault protection can be used for equipment protection only - not for personal protection.



Residual current monitoring.



Model	Measuring range	Alarm settings	Alarm delay settings
VR16	10mA-10A	30mA, 100mA, 300mA, 500mA, 1A, 3A, 10A	0.1s, 0.5s, 1s, 3s, 5s, 10s
VR16/100	100mA-100A	300mA, 1A, 3A, 5A, 10A, 30A, 100A	0.1s, 0.5s, 1s, 3s, 5s, 10s

Relay contacts: 2 separate single pole double throw dry contacts max. 250VAC 5A  
 Also available a flush mounting kit VREF\_16 for panel board installation. Weight 150g.

## 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.

