



Product designation				Earth leakage relays	
Product type designation				R1D	
General characteristics					
Description				Flush mount with transparent cover, 1 operating threshold	
N° of operating threshold				1	
Control circuit					
Toroidal transformer				External	
Adjustments					
Tripping set-point (IΔn)		(x0.1)	A	0.025...0.25	
		(x1)	A	0.25...2.5	
		(x10)	A	2.5...25	
		(external multiplier)		A	25...250
		Tripping delay time			
		(tx1)	s	0.02...0.5	
		(tx10)	s	0.2...5	
Selection of multiplier for IΔn and t				By dip switches	
Resetting				Configurable automatic or manual by button on front	
Test Button				Yes	
Shunt circuit control				No	
Auxiliary supply					
Auxiliary rated supply voltage Us				110...125VAC/DC;220...240/380...415VAC	
Operational limits				110...125VAC/DC or 220...240VAC or 380...415VAC	
Output contacts				1	
Rated frequency			Hz	50...60	
Power consumption Max			VA	5.5	
Relay outputs					
Relay state				Normally de-energised	
Contact arrangement				1 changeover SPDT (trip)	
Rated contact capacity IEC Ith				5A - 250VAC	
Insulations					

Power frequency withstand voltage kV 2.5kV for 60s

Indications

Auxiliary voltage available (ON) Green LED
Relay tripping (TRIP) Red LED

Connections

Terminals type Fixed

Tightening torque for terminals

max Nm 0.5
max lbin 4.5

Conductor section

AWG/Kcmil

min 24
max 12

IEC

min mm² 0.2
max mm² 2.5

Operations

Mechanical life cycles 50000000

Electrical life cycles 300000

Ambient conditions

Temperature

Operating temperature

min °C -10
max °C +60

Storage temperature

min °C -20
max °C +80

Relative humidity % ≤90%

Housing

Material Self-extinguishing polycarbonate

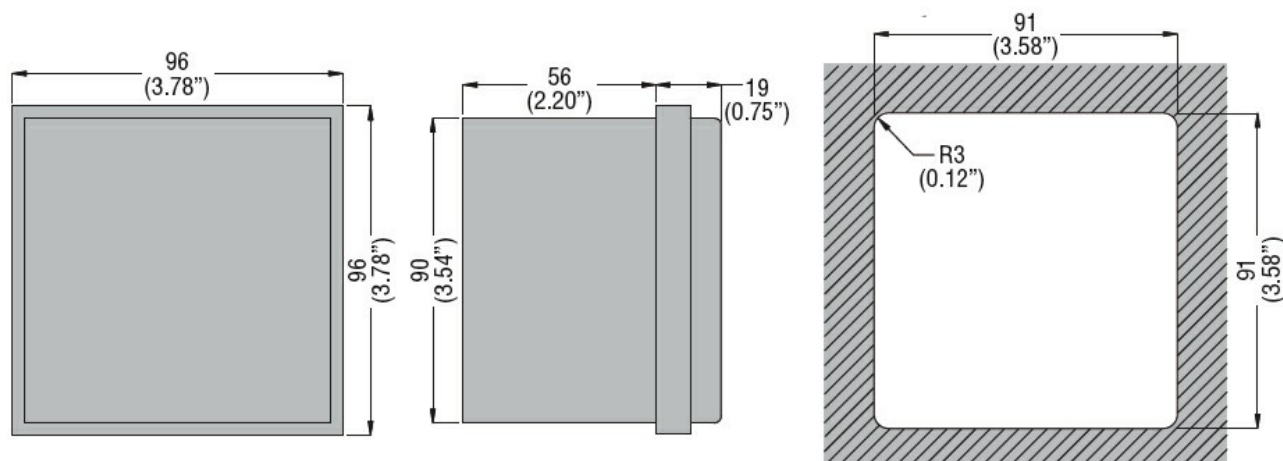
Mounting Flush mount

Degree of protection IP40 with protecting cover, IP20 terminals

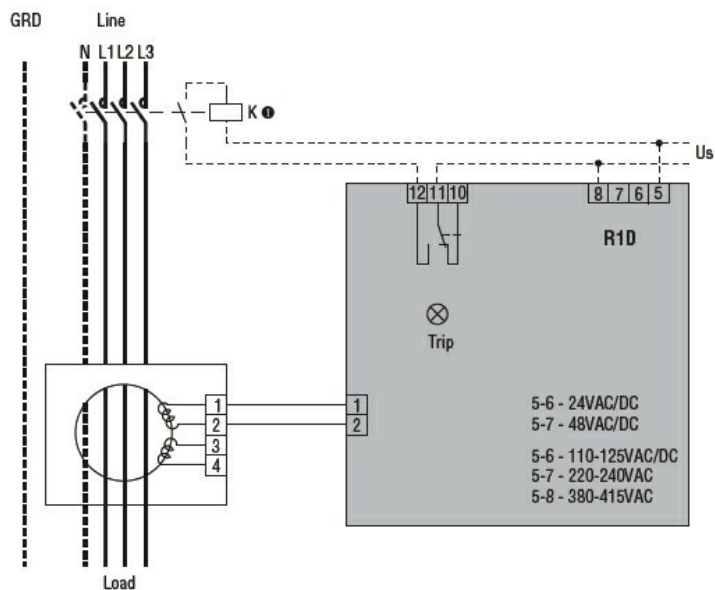
Dimensions (W x H x D) mm 96x96x75

Weight g 280

Dimensions



Wiring diagrams



Certifications and compliance

Compliant with standards

IEC/EN 60947-2

Certificates

EAC

ETIM classification

ETIM 8.0

EC001445 -
Residual current
monitoring relay