



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	mm ²	0.2
	max	mm ²	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

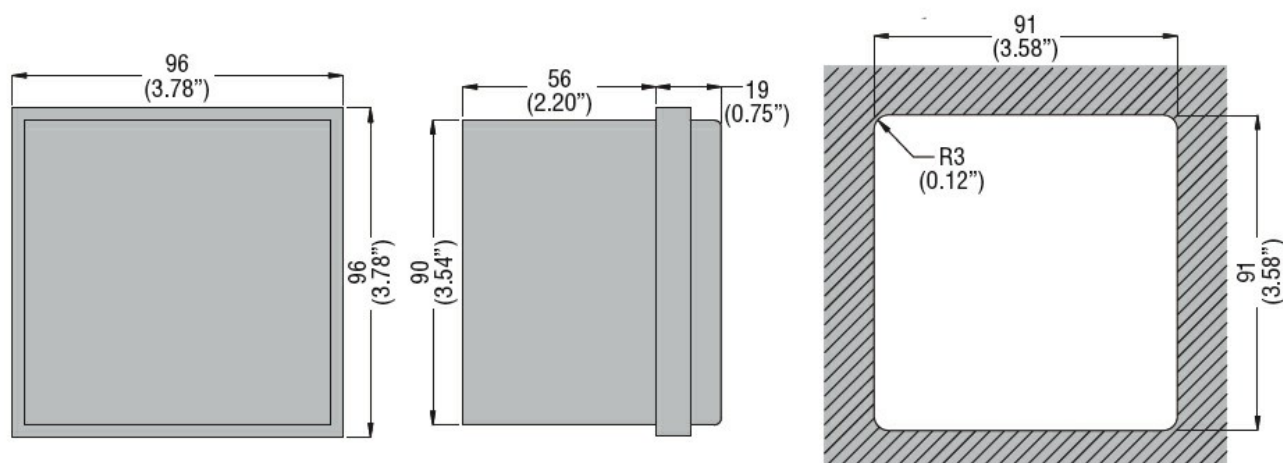
Mounting Flush mount

Degree of protection IP40 with protecting cover, IP20 terminals

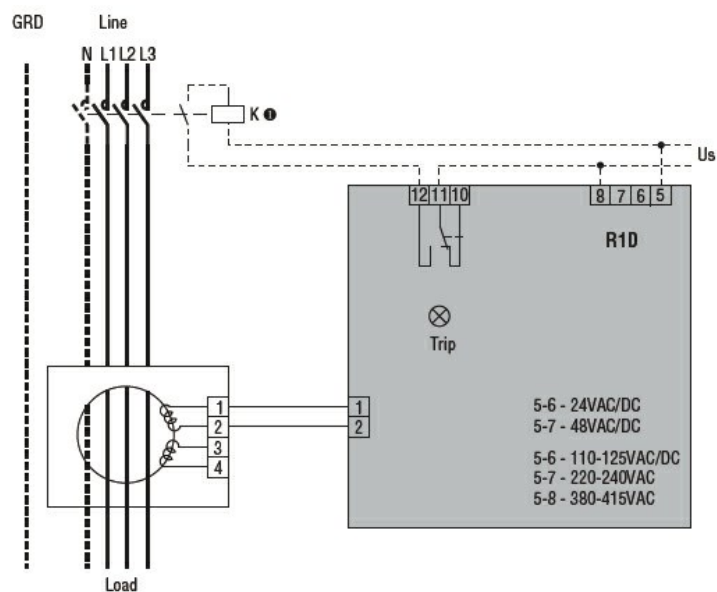
Dimensions (W x H x D) mm 96x96x75

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