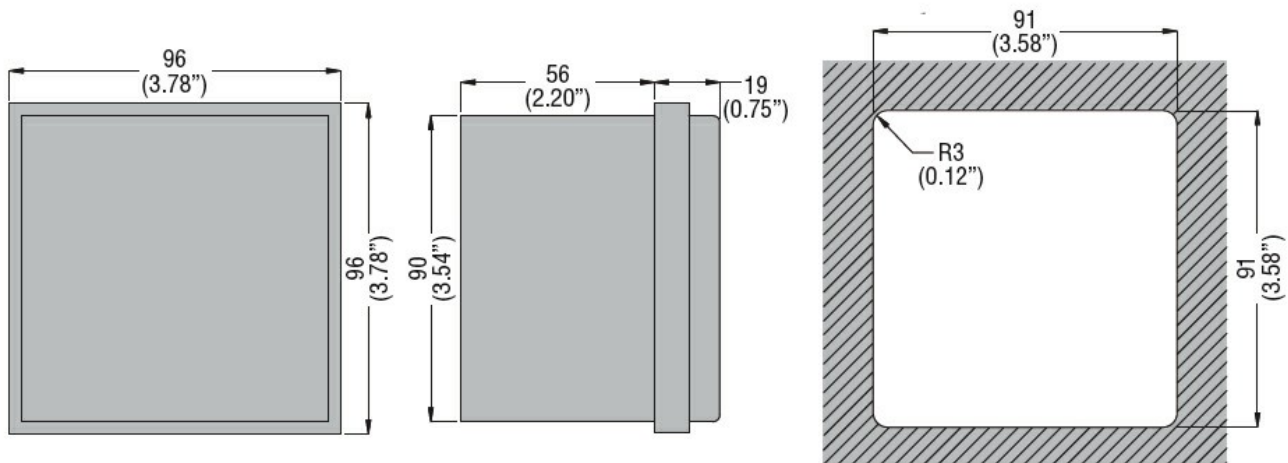


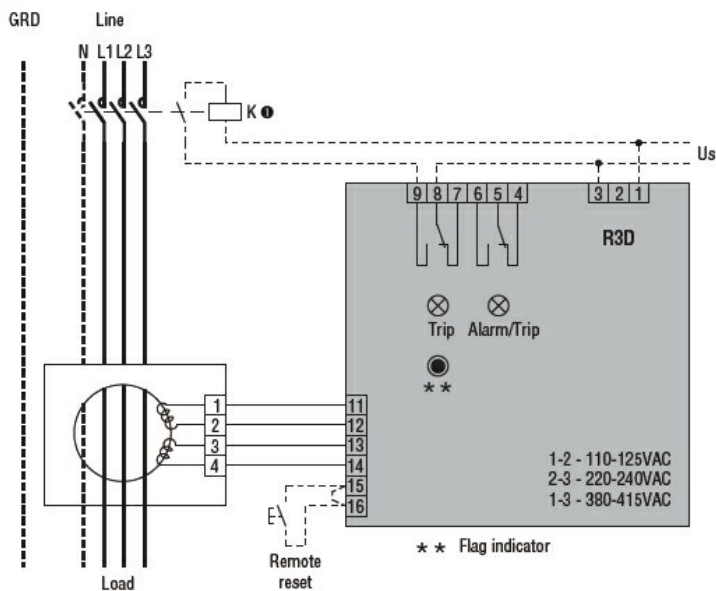


Product designation				Earth leakage relays
Product type designation				R3D
General characteristics				
Description				Flush mount with transparent cover, 2 operating thresholds
N° of operating threshold				2
Control circuit				
Toroidal transformer				External
Adjustments				
Tripping set-point (IΔn)				
(x0.1)				A 0.025...0.25
(x1)				A 0.25...2.5
(x10)				A 2.5...25
(external multiplier)				A 25...250
Prealarm set-point				
				IΔn 70%IΔn (fixed)
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				Automatic by remote contact closing. Manual by button on front or remote contact closing
Test Button				Yes
Shunt circuit control				No
Auxiliary supply				
Auxiliary rated supply voltage Us				110...125/220...240/380...415VAC
Operational limits				110...125VAC or 220...240VAC or 380...415VAC
Output contacts				2
Rated frequency				Hz 50...60
Power consumption Max				VA 4.5
Relay outputs				
Relay state				Configurable normally de-energised or energised

Contact arrangement	2 changeover SPDT each (configurable: 2 trip or 1 trip and 1 alarm)		
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		
Trip prealarm (ALARM)	Red LED		
Mechanical (TRIP MEMORY)	Flag indicator		
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	405	
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