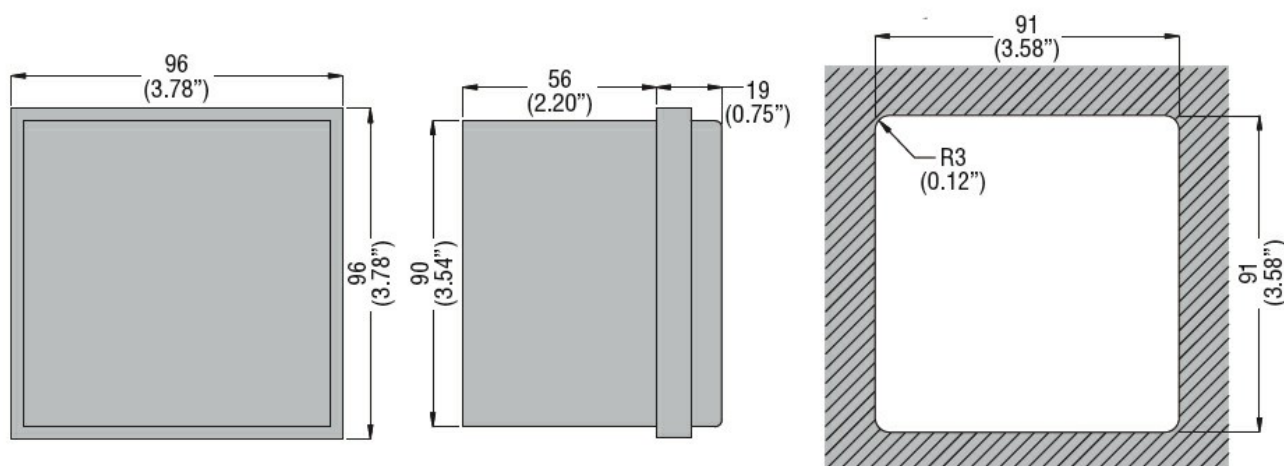


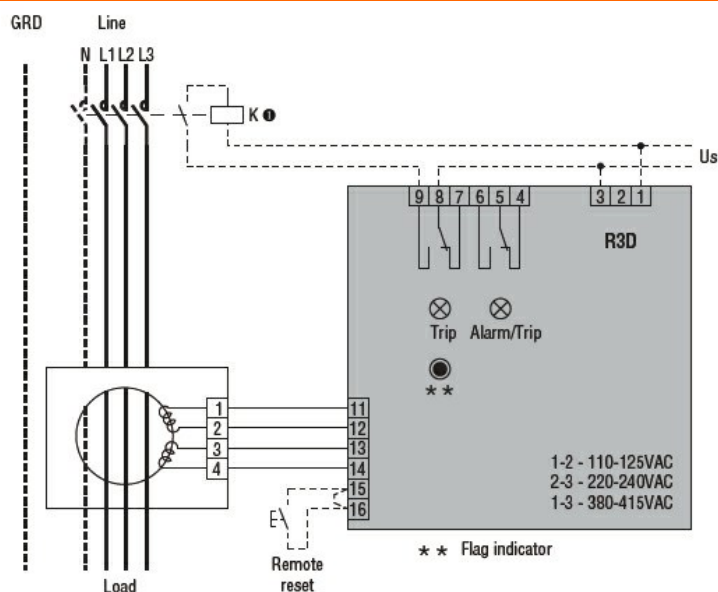


Product designation				Earth leakage relays
Product type designation				R3D
General characteristics				
Description				Flush mount with transparent cover, 2 operating thresholds
N° of operating threshold				2
Control circuit				
Toroidal transformer				External
Adjustments				
Tripping set-point (IΔn)				
(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