



THE RELAY

- Earth Leakage Relays are residual current monitors, intended to detect potentially dangerous ground fault currents before they cause any hazard, helping on protecting personnel, electric panels and general electrical-electronic machinery. To identify an eventual AC current flowing to the grounding system, RFT line must be connected to current sensors of the **ST** or **STA** families. This set allows the detection of very low leakage currents with extreme reliability
- The **RFT-7** models are compact units designed to fastening on panel's door. DIP-Switches and potentiometers are included, allowing configuration of tripping currents, tripping delay time and manual or automatic reset execution
- **RFT-7** also features "Fail Safe" function, which consists of opening the relay in a failure situation, to prevent the installation from continuing in operation without protection (activated when tripping conditions are met, depending on the configuration settings)

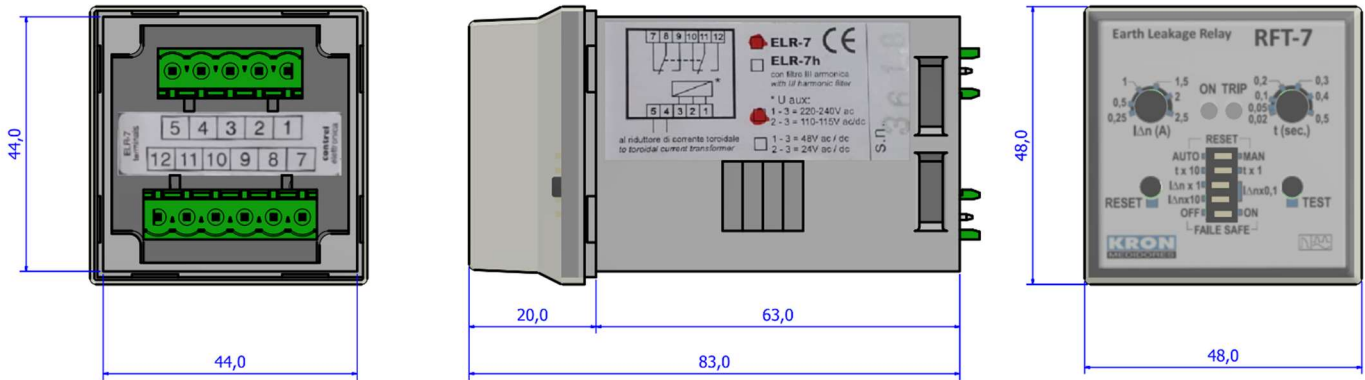
APPLICATIONS

- Personnel protection against electrical shocks
- Protection of sensitive electronic equipments
- Protection for classified areas (hazardous locations and the risk of fire and explosions associated with them)

PRODUCT INFO

TRIPPING SET-POINT (CURRENT INFO)	<i>Tripping current</i> (25ma ~ 250Aac)	25m...250mAac (dip-switch set as IΔ = 0,1) 250m...2,5Aac (dip-switch set as IΔ = 1) 2,5...25Aac (dip-switch set as IΔ = 10) 25...250Aac (with external multiplier CT)		
TOROIDAL SENSORS *	<i>Circuit's maximum current</i>	1000Aac		
	<i>Solid Core</i>	ST-2/28, ST-2/29, ST1/35, ST1/60, ST1/80, ST1/110, ST1/160, ST1/210, ST1/300, ST1/280R and ST1/350R		
	<i>Split Core</i>	STA1/110, STA1/160, STA1/210 and STA1/300		
TRIPPING DELAY TIME	<i>Tripping time (0,02 ~ 5s)</i>	0,02...0,5s (dip-switch set as tx = 1) 0,2...5s (dip-switch set as tx= 10)		
OUTPUT	<i>Relay Output</i>	2 outputs (trip) with 3 terminais (5A / 240V)		
POWER SUPPLY	<i>Voltage</i>	110Vac/Vdc - 240Vac 24 Vac/Vdc - 48Vac/Vdc		
	<i>Internal Consumption</i>	< 3VA		
SAFETY	<i>Insulation Test</i>	2.5kV for 60 seconds		
INSTALLING	<i>Type</i>	Panel's Door		
	<i>Fastening</i>	Side locks		
	<i>Maximum Cable to be Used</i>	2,5mm ²		
CASE	<i>Material</i>	Thermoplastic		
	<i>Protection Degree</i>	Case: IP-20 Front Panel: IP-40 with acrylic protection		
ENVIRONMENTAL CONDITIONS	<i>Operation/Storage Temperature</i>	-10 to 60°C (14 to 140°F) -20 to 80°C (-4 to 176°F)		
	<i>Relative Air Humidity</i>	Maximum of 90% (without condensation)		
STANDARDS	<i>Electrical Parameters</i>	IEC/EN 61010	IEC/EN 61000-6-2	IEC/EN 61000-6-3
		IEC/TR 60755	CEI EN 60947-2 ANNEX M	

DIMENSIONS



Dimensions in millimeters

How to Specify:



Power Supply:

- 1: 110Vac / Vdc – 240Vac
- 2: 24Vac/Vdc - 48Vac/Vdc*

* Ordering upon consultation, please contact technical support

Standard Model (Example):

RFT700 1 0 0 0 0 0 0

RFT7 {Power Supply 110Vac/Vdc – 240Vac}

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For correct utilization of the product, the User Manual must be consulted before its installation or operation.
Some items presented here may be optional, being necessary the correct product specification by their code.

Kron Instrumentos Elétricos Ltda.

Rua Alexandre de Gusmão, 278 - São Paulo, SP | Brasil

Phone: 55 (11) 5525-2000 | www.kron.com.br | suporte@kron.com.br | vendas@kron.com.br