

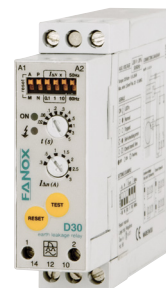
# D30 / DM30

## Earth Leakage Relays WITHOUT BUILT- IN Toroidal Transformer

### SUPERIMMUNIZED MULTIRANGE RELAY 22,5 mm

- Electronic relays with adjustable time delay and sensitivity.
- Suitable for direct pulse current.
- Immune to external disturbances.
- Suitable for systems with and without neutral.
- Very high level of immunity.
- 22,5 mm wide. Saving space in the distribution board.
- DIN rail mounting.
- To be used with CT-1 and CTD-1 toroidal transformers (See page 137).
- Suitable for Motor Control Centres (MCC), electrical distribution boards and control panels in general.

D30



### SUPERIMMUNIZED MULTIRANGE RELAY

- Electronic relays with adjustable time delay and sensitivity.
- Suitable for direct pulse current.
- Immune to external disturbances.
- Suitable for systems with and without neutral.
- Very high level of immunity.
- Modular size. DIN rail mounting.
- To be used with CT-1 and CTD-1 toroidal transformers (See page 137).
- Suitable for electrical distribution boards and control panels in general.
- Sealable front cover

DM30

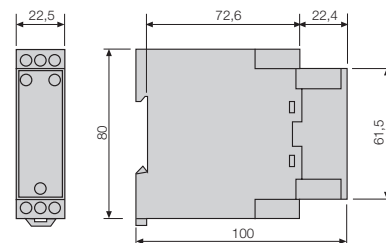


MODELS	D30		DM30	
Sensitivity	Adjustable from 0,03 A to 30 A		Adjustable from 0,03 A to 30 A	
Trip time delay	Adjustable from 0,02 s to 5 s		Adjustable from 0,02 s to 5 s	
Aux. voltage supply 50/60 Hz	120 Vac±20%	230 Vac±20%	120 Vac±15%	230 Vac±15%
Code	41021	41020	41023	41022

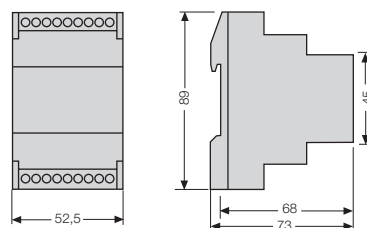
CHARACTERISTICS				
Toroidal transformer	In combination with CT-1			
Max. length between relay and transformer	Cable section mm <sup>2</sup>			
	0,22 mm <sup>2</sup>	0,75 mm <sup>2</sup>	1 mm <sup>2</sup>	1,5 mm <sup>2</sup>
	Max. length m			
	15 m	55 m	75 m	110 m
Reset mode	Automatic, manual and remote (in manual mode disconnect the aux. Supply during 1s)			
Signalling LED's	2 LED's: ON +  (trip)			
Output contacts mode	Selectable: normally de-energized (N) or energized (P)			
Output contacts	1 change over NO-NC			
Switching power (resistive load)	I <sub>th</sub> : 5A; AC15 - 250V - 2A; DC13 - 30V - 2A			
Maximum terminal section	2,5 mm <sup>2</sup>			
Maximum consumption	7 VA - 230 V		2,5 VA (120 - 230 V)	
Modular size	No. 22,5 mm wide		3 modules x 17,5 mm = 52,5 mm	
Frequency	50/60 Hz			
Protection degree / weight	IP-20 / 0,2 kg			
Storage / operation temperature	-10°C +60°C			
Standards	EN 50263, EN 61543 (A11), EN 60255-5, VDE 0664, 61008-1/A14, 61000-4-11			

### DIMENSIONS (mm)

D30

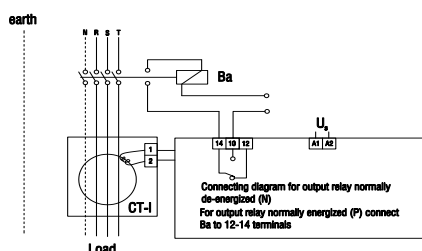


DM30



### WIRING DIAGRAM

D30



DM30



	C Undervoltage trip coil Contactor	C Shunt trip coil	Trip Logic
Safety Priority	Fig. 2	Fig. 1	Posit.  P
Service Priority	Fig. 1	Fig. 2	Negat.  N