

# WRU-10 MT

## Earth leakage relay with built-in transformer and display (type A)



### Description

Electronic earth leakage protection relay with self-reclosing system, with built-in 28 mm transformer, forming a single unit. Super-immunised type-A relay with high-frequency current filtering and high immunity. True root mean square (TRMS) measure. Display with LEDs and backlit display:

- Earth leakage reclosing / protection parameters
- Protection trip current.
- Number of reclosures
- Protection status messages, etc.

Device with three changeover contact output relays and two simple relays (all relays can be programmed). The main relay provides the protection associated with the contactor, one is for the prealarm and the other one is for interlocking once the maximum number of reclosures has been reached. It also has a voltage-free input for external tripping and rearming.

- Assembly on **DIN 46277** rail (**EN-50022**)
- Compact size: 3 modules
- Connection by pluggable terminal strips

### Applications

**WRU-10 MT** relays associated with a motorized circuit breaker allow automatic reclosing after tripping, thus offering the most adequate solution for street lights, ATMs, refrigerating chambers, traffic lights, etc. Their design features guarantee maximum security and electrical service continuity, avoiding unwanted tripping.

### Technical features

<b>Earth leakage protection</b>	Class	A super-immunised
	Measurement	True root mean square (TRMS)
	PROGRAMMABLE sensitivity	0.03...3 A, amplifiable to 30 A using SETUP
	PROGRAMMABLE delay	Time defined: 0.02...1 s, amplifiable to 10 s using SETUP. Inverse curve: INSTantaneous / SElective. ( <b>IEC 60947-2-M</b> )
	Test and reset	Using buttons T and R
	Associated circuit breaker	Circuit breaker defining the number of poles and the $I_n$
	Circuit breaker control	Switched NO/NC contact relay
<b>Reclosing system earth leakage and circuit breaker</b>	No. of reclosures	
	Time between reclosures	Programmable
	Reclosure meter reset time	
<b>Relay indications</b>	LED indicators	Power supply voltage Leakage trip Prealarm Interlocking
	Backlit display	Protection settings Leakage/trip current reading TEST statuses and external trip Sequences / Number of reclosures
	Remote control	External TEST option, tripping by voltage-free input
<b>Electrical features</b>	Auxiliary power supply	230 Vac ( $\pm 30\%$ ) 50 / 60 Hz
	Output contacts	250 Vac, 5 A / 230 Vac, 250 mA
	Operating temperature	-20 °C...+ 70 °C
<b>Mechanical features</b>	Attachment	DIN 46277 rail ( <b>EN 50022</b> )
	Dimensions	3 modules
	Weight	168 g
	Protection degree	IP 20, back panel IP 41
<b>Standards</b>	<b>IEC 60947-2-M, IEC 60755, IEC 62020, IEC 61008, UL1053</b>	

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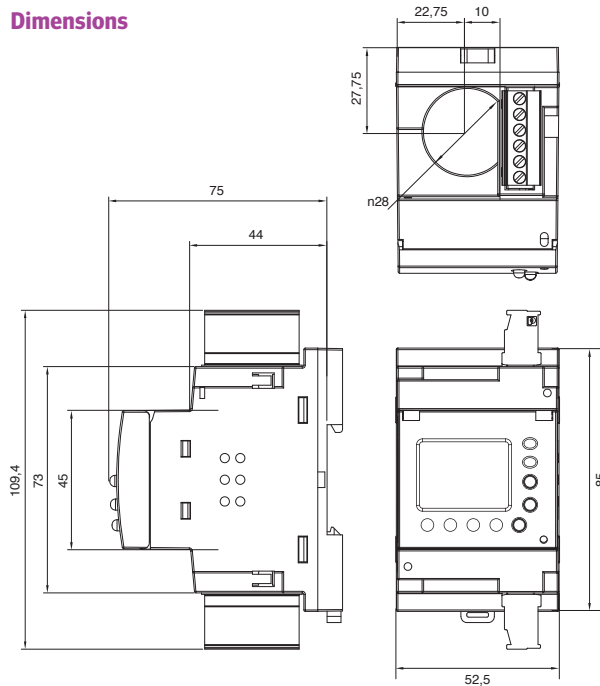
## Earth leakage relay with built-in transformer and display (type A)



### References

Type	Code	No. of reclosures Time between reclosures	$I_n$ (A)	Delay
WRU-10 MT	P24275	Programmable	0.03...3 A, amplifiable to 30 A	0.02...1 s amplifiable to 10 s Inverse curve: INS/SEL

### Dimensions



### Connections

