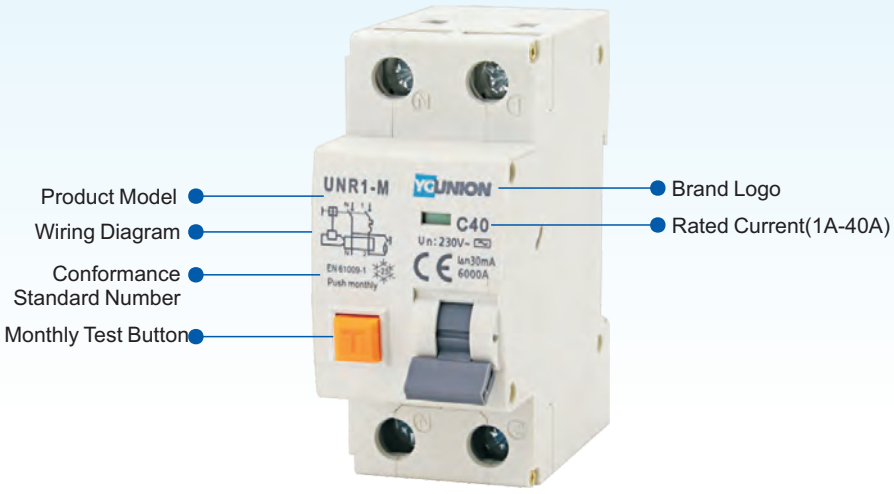
RCBO(UNR1 Electronic/Electro-Magnetic)



Product advantage

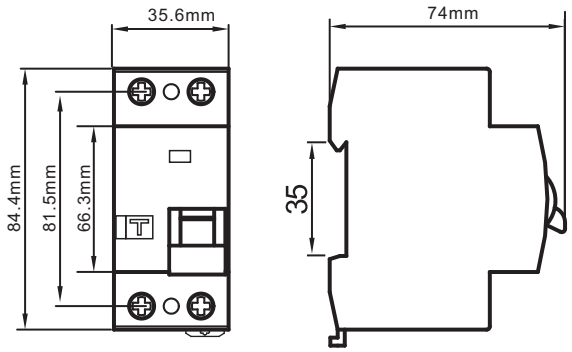
- UNR1 residual current circuit breaker (hereinafter referred to as residual current circuit breaker) is mainly used in the circuit of alternating current 50Hz, rated voltage 240V, rated current 40A.
- Residual current circuit breaker can quickly cut off the fault power supply in a very short time, protect the safety of the person and the electrical equipment, and has the function of overload Short Circuit Protection. It is also suitable for switching off electrical installations and lighting circuits infrequently under normal conditions, especially for industrial and commercial lighting distribution systems.
- Compliance Standard: IEC / EN 61009-1.

Model meaning

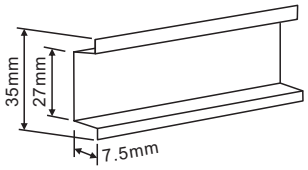
UN R 1 – □

- TYPE:E/M
- Design serial number
- Plastic shell circuit breaker
- Enterprise code

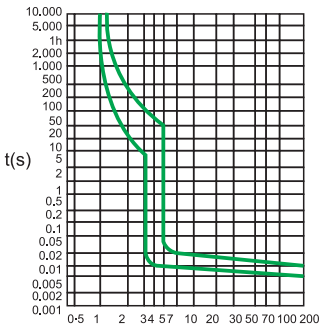
Outline dimension



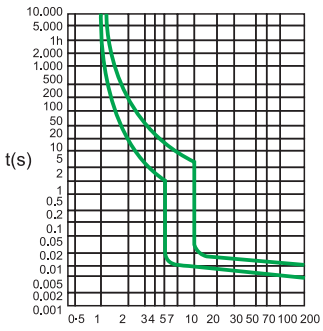
Installation



Characteristic Curve

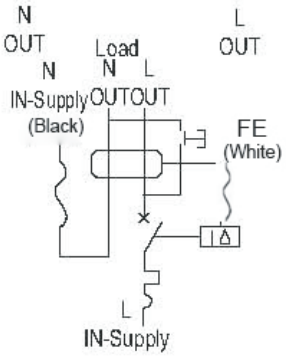


I/In
B curve



I/In
C curve

Wiring Diagram



Overload Current Protection Characteristics

Test procedure	Type	Test current	Intital state	Tripping or Non-tripping Time limit	Expected result	Remark
a	B,C	1.13In	cold	t≥1h	no tripping	
b	B,C	1.45In	after test	t<1h	tripping	Current in 5s up to stable value
c	B,C	2.55	cold	1s<t<60s(In≤32A) 1s<t<120s(In>32A)	tripping	
d	B,C	3In	cold	t≥1.0s	no tripping	Turn on the closed auxiliary switch to open the current
		5In				
		10In				
e	B,C	3In	cold	t<0.1s	tripping	Turn on the closed auxiliary switch to open the current
		5In				
		10In				

The terminology"cold state"refes to that no load is carried before testing at the reference setting temperature.

Residual Current Action Breaking Time

Type	In/A	I△n/A	Residual current(I△)is corresponding to the following breaking time(s)					
			I△n	2 I△n	5 I△n	5A,10A,20A,50A,100A,200A,500A	I△t	
general type	any value	any value	0.3	0.15	0.04	0.04	0.04	Max break–time

The general type RCBO whose current I△n is 0.03mA or less can use 0.25A in stead of 5 I△n.