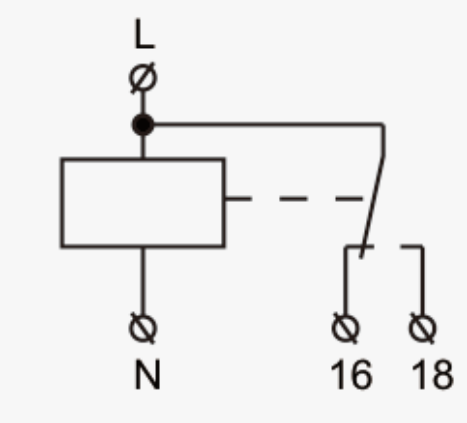
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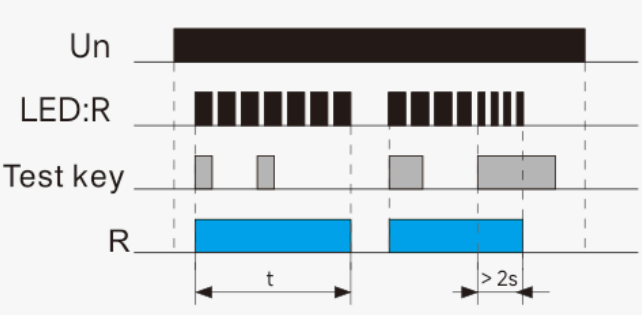
RT8-LT Emergency Light Test Relay

NewTrend RT8-LT starts a timed emergency-light test from its integrated Test key. The relay interrupts the normal mains connection so compatible emergency luminaires operate from their rechargeable cells, then reconnects the mains when the selected interval ends. A front potentiometer sets the test interval from 0.5 minutes to 3 hours. The 18mm DIN-rail unit uses AC 230V supply.

Parameter	Specification
Model	RT8-LT
Output contacts	1 SPDT
A230 power input	AC maximum 1.2VA / 0.8W
Weight	70g
Function	Timed emergency-light test
Supply terminals	L-N
Control supply options	AC 230V; 50-60Hz
Supply tolerance	-15% to +10%
Supply indication	Green LED
Time setting	Front potentiometer; integrated Test key
Adjustment range	0.5min-3hours
Time setting deviation	10% with mechanical adjustment
Repeat accuracy	0.2% of set value
Minimum power-on time	500ms
Temperature coefficient	0.05%/degree C
Contact rating	16A, AC-1
Switching voltage	250VAC / 24VDC
Minimum DC breaking power	500mW
Output indication	Red LED
Mechanical life	10,000,000 operations
Electrical life (AC-1)	100,000 operations
Reset time	Maximum 200ms
Operating temperature	-20 to +55 degrees C
Storage temperature	-35 to +75 degrees C
Mounting	DIN rail to EN/IEC 60715
Protection	IP40 front panel; IP20 terminals
Operating position	Any
Overvoltage category	III
Pollution degree	2
Maximum conductor size	1 x 2.5mm2 or 2 x 1.5mm2
Terminal tightening torque	0.8Nm
Body dimensions	90 x 18 x 64mm
Referenced standards	EN 61812-1; IEC 60669-2-3; IEC 60947-5-1

Connections and operation

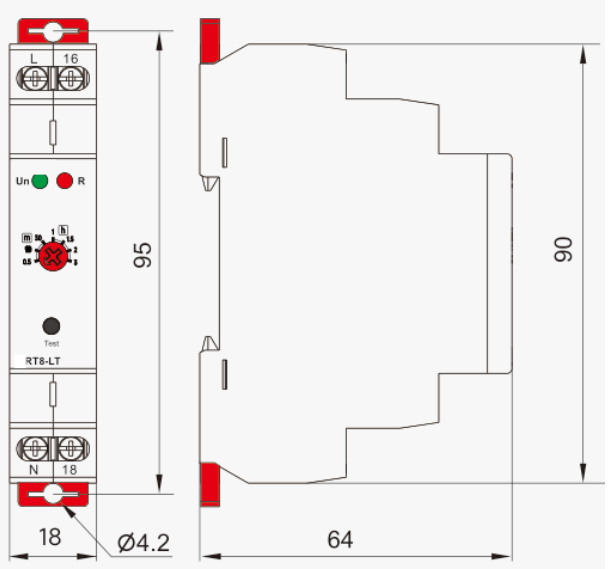




Pressing the integrated Test key starts the selected interval and operates the output relay; the red indication flashes while the test runs.

After the interval ends, the output resets and reconnects the mains. Holding Test for more than 2 seconds aborts the test.

Dimensions and adjustment





Body: 90 x 18 x 64mm. Overall height: 95mm. Fixing holes: 4.2mm.

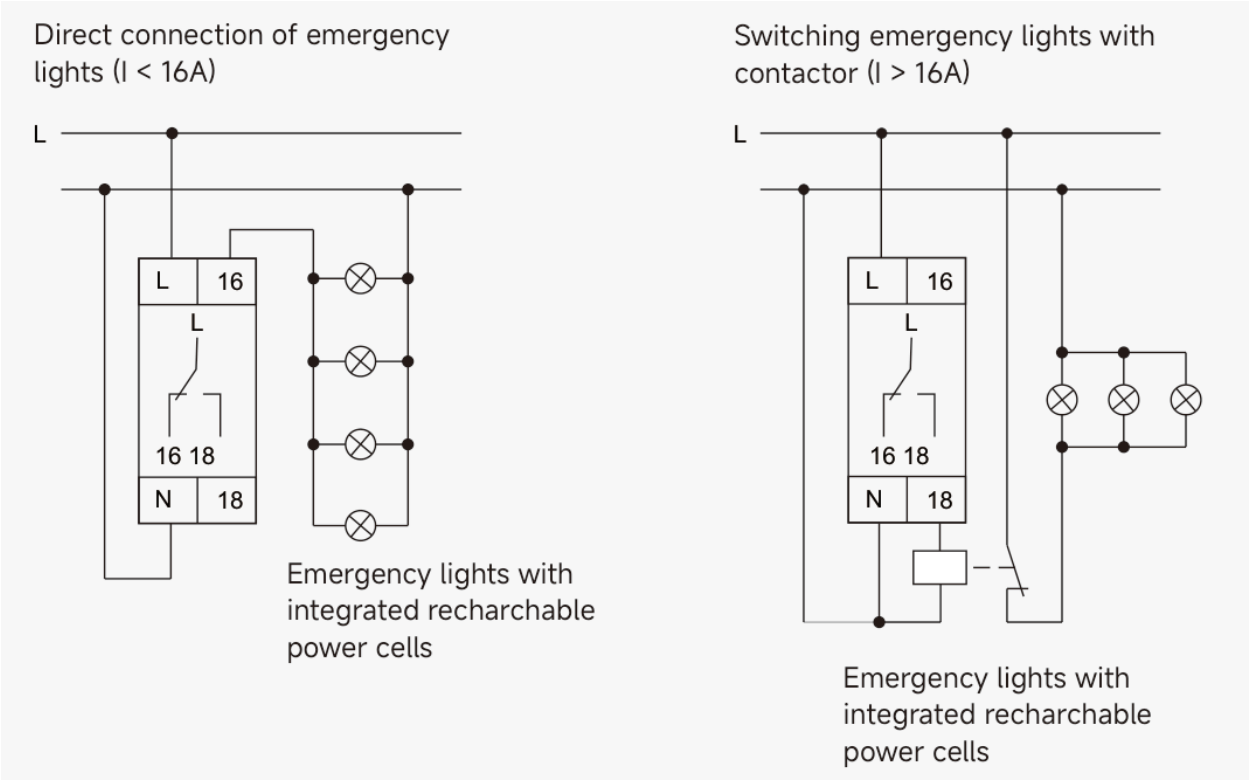
RT8-LT housing dimensions.

Keep the L-N supply continuously applied. Press Test to start the timed test; the mains connection to the luminaires is interrupted during the interval. Hold Test for more than 2 seconds to abort the running test. Use the native circuit diagrams to connect the lighting or a suitable contactor.

Installation

Installation and wiring must be performed by qualified electricians in accordance with applicable safety standards. Isolate the circuit before wiring and use the appropriate electrical-waste collection route.

Emergency-luminaire connection examples



Connection examples for emergency luminaires with integrated rechargeable cells. Use a suitably rated contactor where the load requires one.