

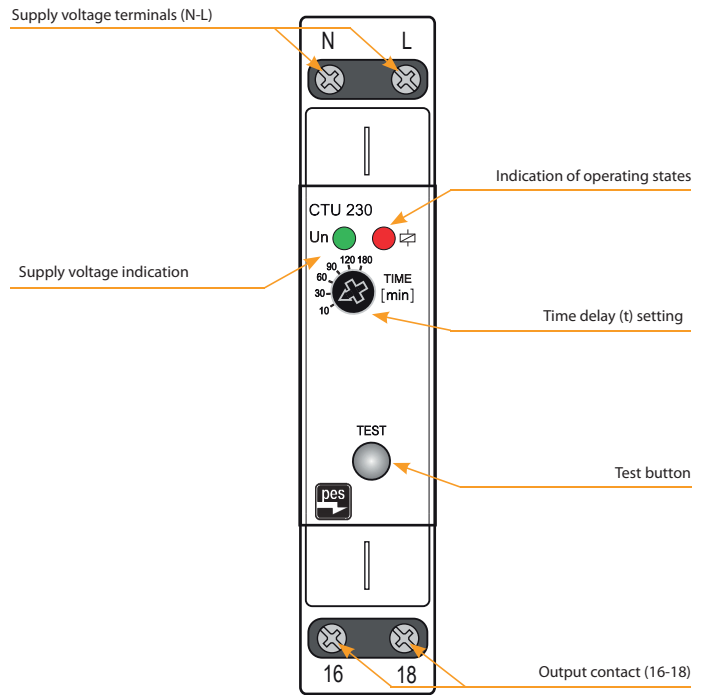


EAN code
CTU-230: 8595188191227

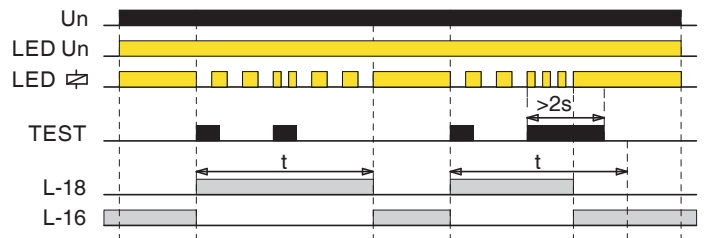
Technical parameters		CTU-230
Power supply		
Supply terminals:	L-N	
Supply voltage:	AC 230 V (50-60 Hz)	
Consumption (max.):	3.9 VA/1.9 W	
Supply voltage tolerance:	-15 %; +10 %	
Time circuit		
Number of functions:	1	
Time delay (t):	10 m – 30 m – 60 m – 90 m – 120 m – 180 m	
Time setting:	rotary switch	
Time deviation:	5 % – mechanical setting	
Repeat accuracy:	0.2 % – set value stability	
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01%/°F, at = 68 °F)	
Output		
Contact type:	1x changeover (AgSnO ₂); changes the potential "L"	
Current rating:	16 A/AC1; 1 HP 240 Vac, 1/2HP 120 Vac; PD. B300	
Breaking capacity:	4000 VA/AC1, 384 W/DC1	
Inrush current:	80 A/20 ms (NO contact)	
Switching voltage:	250 V AC/24 V DC	
Power dissipation (max.):	1.2 W	
Mechanical life:	10.000.000 ops.	
Electrical life (AC1):	20.000 ops.	
Other information		
Operating temperature:	-20 .. +55 °C	
Storage temperature:	-30 .. +70 °C	
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 front panel/IP20 terminals	
Oversvoltage category:	III.	
Pollution degree:	2	
Cross-wire section – solid/stranded with ferrule (mm ²):	max. 1x 2.5, 2x 1.5/ max. 1x 2.5	
Dimensions:	90 x 17.6 x 64 mm	
Weight:	53 g	
Standards:	EN 61812-1	

- Time relay for automatic testing of emergency lighting.
- Panel button for starting the test.
- Easy and well-arranged time delay (t) setting by rotary switch.
- Adjustable time delay 10 m – 30 m – 60 m – 90 m – 120 m – 180 m is divided into six ranges.
- ZERO CROSS feature: closes and opens the output contact when the voltage crosses zero.
- Multifunction red LED flashes or shines depending on the operating states.

Description



Function

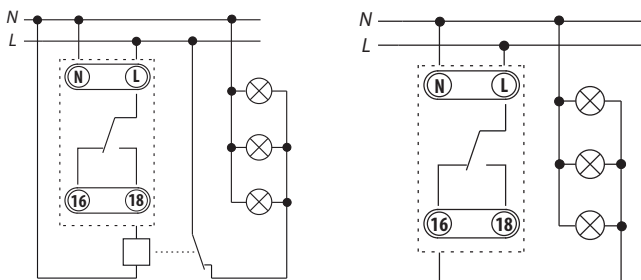


If the supply voltage is connected, the green LED Un lights up and at the same time the red LED indicates that the idle output contact "16" is closed. Pressing the TEST button on the device panel closes the output contact "18" and disconnects the phase wire "L" from the tested emergency lights.

After the set time delay (t) has elapsed, output contact "18" opens and emergency lighting is connected through contact "16". During the delay, the red LED flashes slowly.

Repeated short pressing of the TEST button does not affect the length of the delay. A long press of the TEST button (>2 s) ends the delay. While pressing the button, the red LED flashes quickly.

Connection



Emergency lighting connection through contactor (for I>16A)

Direct emergency lighting connection (for I<16A)