

Emergency Lighting Test Switch

Function and Operation

The ELTS4 emergency and exit lighting test switch kit allows manual testing of single point emergency lighting systems by simulating a mains supply failure. Specifically, designed to be housed in a distribution board, this switch allows testing control of four (4) emergency lighting circuits.

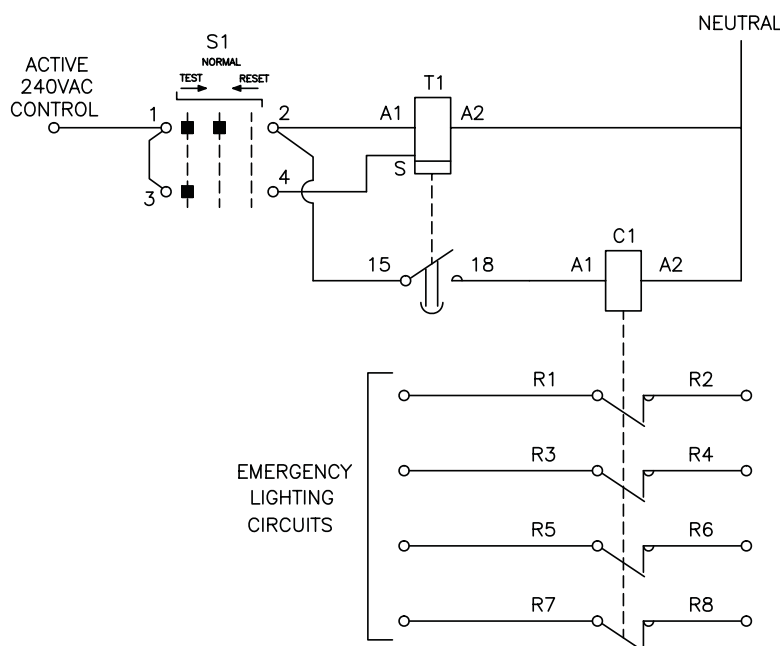
The test is initiated by momentarily selecting the TEST position on the selector switch. This energizes the contactor and starts a delay off timer. At the end of the test cycle, power is restored automatically, returning the emergency lighting circuits to normal operation.

Momentary selection of RESET during the test cycle will also return the emergency lighting circuits to normal operation.



ELTS4

Schematic Diagram



- S1 – 3 POSITION SPRING RETURN SELECTOR SWITCH
T1 – SIGNAL START DELAY OFF TIMER
C1 – 4 N/C CONTACTOR

Test Switch Label (see above)

This label must be fitted to the internal door of the distribution board. It is 5 modules wide to fit neatly across the emergency lighting test switch.

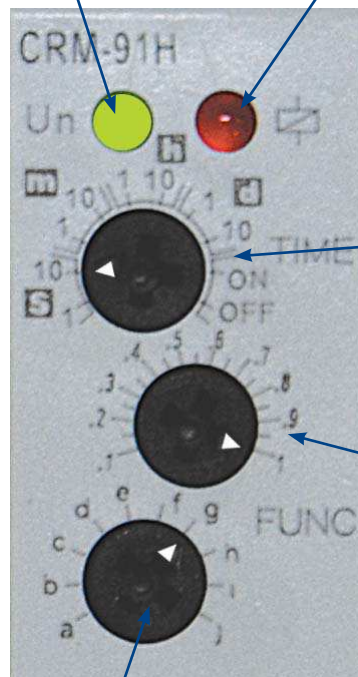
The label is for identification of the emergency lighting test switch and for indicating the TEST / NORMAL / RESET position of the spring return selector switch.



CRM-91H Timer Operation and Setting

Green LED indicates healthy supply.

Blinking Red LED indicates Emergency Lighting under 'TEST'.



The first two dials must be used to set the test time.

First Dial - Coarse Setting

1. Set the time range in **Seconds (s)** or **Minutes (m)** or **Hours (h)** or **Days (d)**.
2. Select **1** or **10** in the selected range. i.e. 10 in the hours range means 10 hours. The second dial will be used to reduce this time.

Second Dial - Fine Setting

A setting of 0.1 on this dial will give you 10% of the value on the first dial. 0.2 will give you 20% and so on.

For example:

First Dial Setting: 10 on the seconds range (as shown) + **Second Dial Setting: 1** (as shown) will give a test time of 10 seconds.

FUNC dial must be on 'g' at all times.

Note:

The timer is supplied preset with a test time of 10 seconds. This must be changed to the actual test time (refer to AS2293.1-2005 for test times).

The Function Dial is preset to 'g' and must remain in this position for the correct operation of Test Switch.