

USER MANUAL PNEUMATIC TIME DELAY SWITCH TS40 & TS41 IP20

IMPORTANT NOTICE!

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and any applicable Regulations.



Installation

**Part No TS40 & TS41
Fitting and Wiring Instructions**

Please ensure that these Instructions are read before installation, and retained for future reference

The TS40 Series is suitable for controlling incandescent (GLS), fluorescent and compact fluorescent lighting. The timer can be used on its own, or with other units in a 2-wire (no neutral) lighting circuit, and can therefore be installed on new installations or replace existing single gang switches.

SPECIFICATION

Part No. TS42 – Time Delay Switch with Double Pole Change-Over Contact

Part No. TS43 – Time Delay Switch with Double Pole Change-Over Contact and Neon Indicator on Faceplate

Switch Current Rating at 240Vac:

Incandescent (GLS) Load = 6A
Fluorescent Load = 3A
Compact Fluorescent Load = 6 Fittings max. (3A Peak)

Adjustable Time Delay: 10 Seconds to 10 Minutes (Approx.)

**FITTING THE UNIT
ALL WIRING SHOULD BE CARRIED OUT BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE CURRENT IEE REGULATIONS.**

ALL METAL BOXES MUST BE EARTHED. PLEASE ENSURE THAT THE TOP AND BOTTOM LUGS ARE REMOVED, IF FITTED, FROM METAL WALL BOXES BEFORE FITTING AS THERE IS A DANGER OF THE COMMON TERMINAL (MARKED COM) FOULING A MOUNTING LUG AND CAUSING AN EARTH FAULT IF BOXES HAVING FOUR LUGS ARE USED.

The TS40 Series has been designed for mounting on a 20mm or 25mm deep Standard BS single gang accessory box. However, it is recommended that deeper boxes are used where extra space is required for additional cables, for example when looping in. Please ensure that there is adequate space for wiring.

It is recommended that if using moulded backing boxes; please ensure that the box only has two mounting lugs as certain manufacturers do not allow adequate clearance for the Time Delay Switch terminal

connections.

Some moulded boxes also have two locating pips on the mounting face which can obstruct the Time Delay Switch and prevent it from fitting flush. These will need to be ground off.

If mounting on surfaces such as unplastered brickwork or the mounting box is completely true to the wall surface, please avoid over tightening the mounting screws, as this may cause the switch faceplate to distort and in turn lock the plunger in the “ON” position.

OPERATION

The switch is operated by pressing the plunger button. This will “make” or “break” the change-over contacts. The plunger will gradually return to its original position during the time delay sequence, eventually returning the change-over contacts to their original position using the snap action of the switch. The face-plate is moulded in a semi-translucent material and therefore it is normal to occasionally see a flash when the contacts “make” or “break”.

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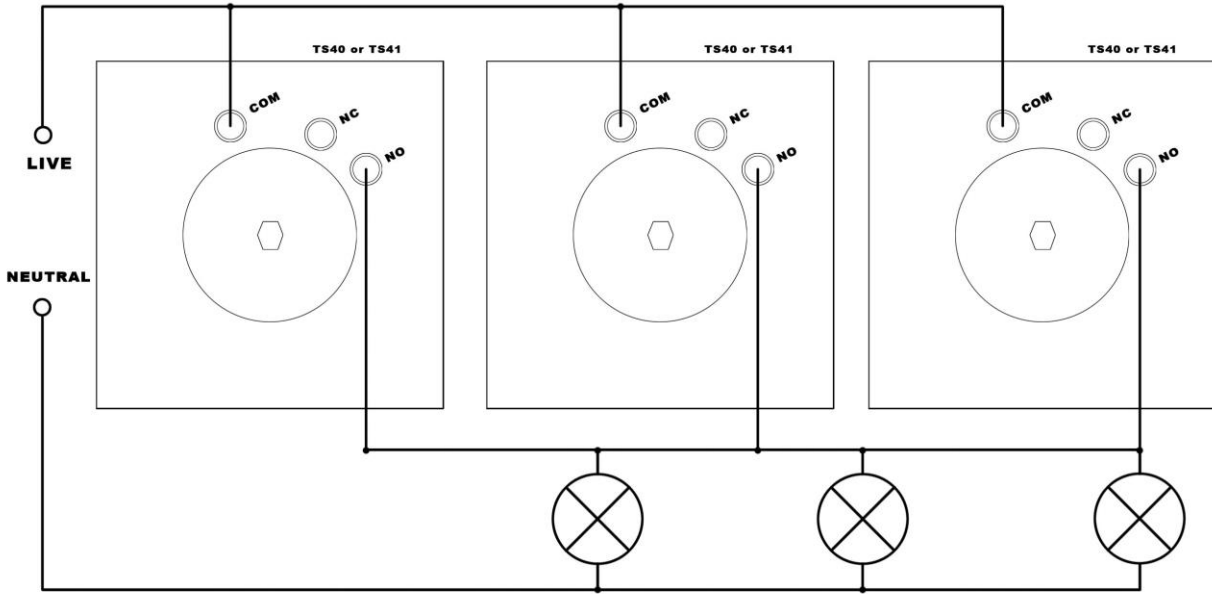
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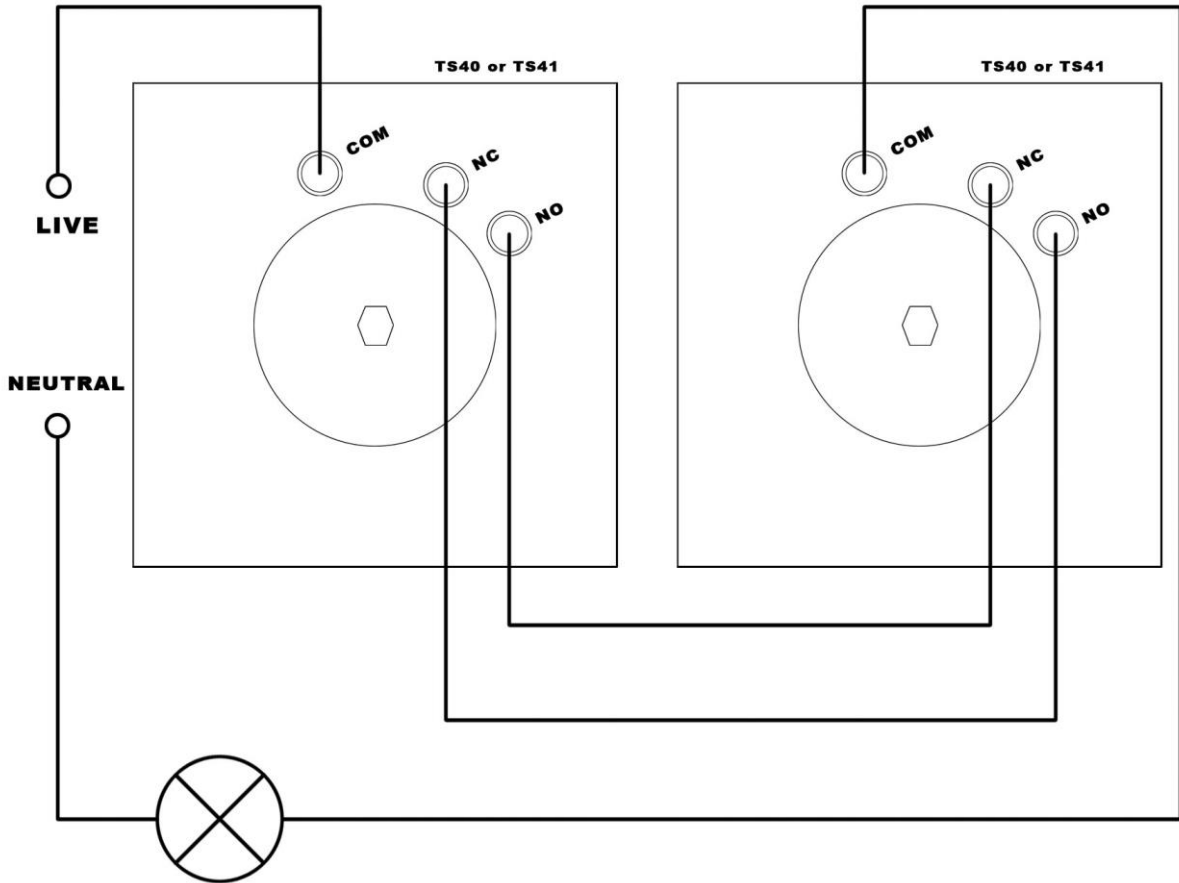
Wiring diagram for TS40 & TS41

CORRIDOR LIGHTING



Wiring diagram for TS40 & TS41

TWO WAY SWITCHING



Wiring diagram for TS42 & TS43

STAIRCASE LIGHTING

