

TIMER DELAY SWITCH INSTRUCTIONS

Rating at 240V ac

400A SINGLE POLE CHANGE-OVER PUSH BUTTON TIMER
401A SINGLE POLE CHANGE-OVER PUSH BUTTON TIMER WITH NEON INDICATOR
402A DOUBLE POLE CHANGE-OVER PUSH BUTTON TIMER
403A DOUBLE POLE CHANGE-OVER PUSH BUTTON TIMER WITH NEON INDICATOR

Incandescent	6A
Fluorescent	3A
Compact Fluorescent	3A (6 Fittings max)
Time Delay	10 Sec. - 10 Min.

Note: The 400B, 401B, 402B and 403B are as specified above, but supplied with an 18mm deep pattress for surface mounting.

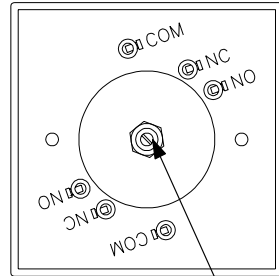
USAGE

The Columbus series of timers offer a variety of options for either installation or replacement of existing single gang switches for fluorescent and incandescent lighting applications.

MOUNTING

The Time Delay Switch is suitable for mounting on most standard square boxes with two mounting lugs. Although designed for accommodation in plaster depth flush boxes or shallow surface boxes, it is recommended that deep boxes are used where extra space is required for additional cables, for example when looping-in.

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



COM = Common
NO = Normally Open
NC = Normally Closed

Single pole timers only have one set of contacts fitted.

OPERATION

The switch is operated by pressing the plunger. This 'makes' or 'breaks' the change-over contacts. The plunger gradually returns to its normal position during the time delay, when the snap action of the switch returns the change-over contacts to their original position. 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'.

Timing Adjustment

Timing can be adjusted by turning the timing screw on the back of the unit. Turning the timing screw clockwise increases the time delay.

WARNING

THE 400 TIMER IS COMPATIBLE WITH SINGLE GANG, 20mm OR 25mm DEEP BRITISH STANDARD ACCESSORY BOX. PLEASE ENSURE THAT THE TOP AND BOTTOM LUGS ARE REMOVED, IF FITTED, FROM METAL WALL BOXES PRIOR TO 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.

ALL METAL BOXES MUST BE EARTHED. IT IS SIMILARLY RECOMMENDED THAT ONLY MOULDED BOXES HAVING TWO LUGS ARE USED AS CERTAIN MANUFACTURERS BOXES DO NOT ALLOW ADEQUATE CLEARANCE.

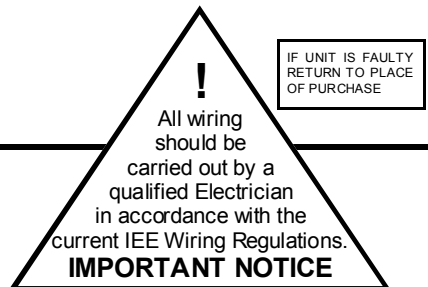
IF MOUNTING SURFACES SUCH AS UNPLASTERED BRICKWORK, OR THE ANGLE OF THE MOUNTING BOX IS NOT COMPLETELY TRUE, AVOID OVER TIGHTENING THE MOUNTING SCREWS AS THIS MAY CAUSE THE SWITCH COVER TO DISTORT AND LOCK THE PLUNGER IN THE 'ON' POSITION.

CONTINUED OVERLEAF

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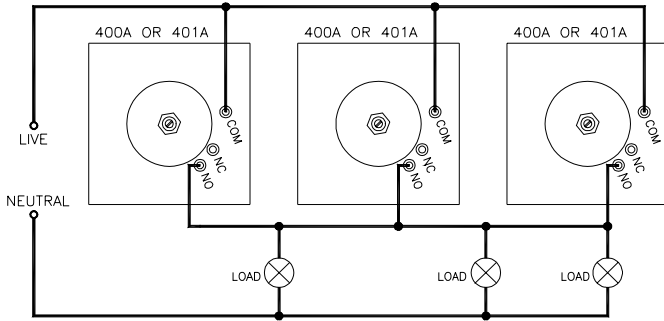
Instruction Ref No. 900 - 3020 Rev No.04/04



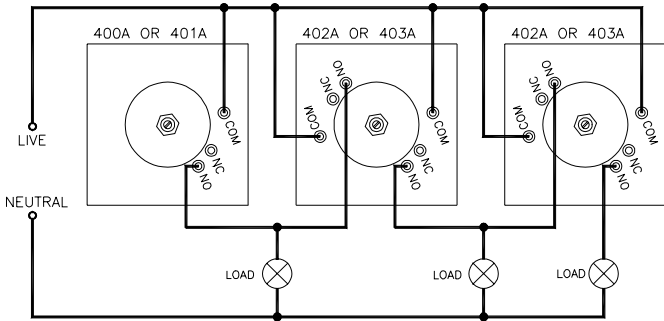
WIRING

COM (Common) and NC (Normally Closed) contacts are connected when the timer is off. COM and NO (Normally Open) contacts are connected when the plunger is depressed, and stay connected for the period of the time delay.

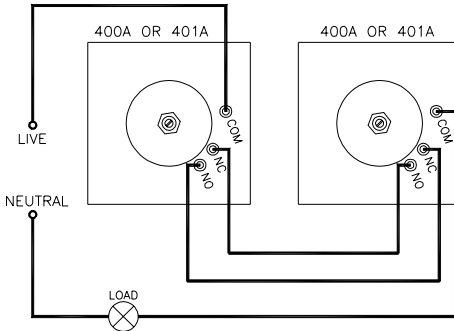
Typical Circuit for
Corridor Lighting
ie. Lights will stay on
until last timer goes
off.



Typical Circuit for
Staircase Lighting



Can also be used
to replace Two
Way Switching



! IF UNIT IS FAULTY
RETURN TO PLACE
OF PURCHASE

All wiring
should be
carried out by a
qualified Electrician
in accordance with the
current IEE Wiring Regulations.
IMPORTANT NOTICE

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