

columbus[®]timer

energysense

columbus[®]light fitting & operating instructions

Product: 400A Single pole change-over push button timer
400A-3 Double change-over push button timer

RATING AT 240V AC	
Incandescent	6A
Fluorescent	3A
Compact Fluorescent	3A (6 Fittings max)
Time Delay	10 Sec. - 10 Min.

The **columbus[®]**timer is part of the Elkay family of switches, timers and detectors which save energy and increase convenience in and around your home, garden or premises.



USAGE

The **columbus[®]**timer 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 **columbus[®]**timer 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 **columbus[®]**timer and prevent it from fitting flush. These need to be ground off.

OPERATION

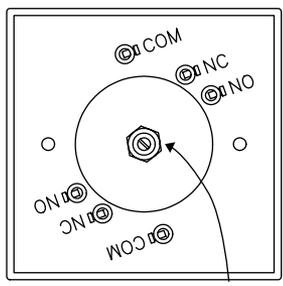
The switch is operated by pressing the plunger. This 'makes' or 'breaks' the change-over contacts. The plunger gradually returns to its normal position during the time delay, when the snap action of the switch returns the change-over contacts to their original position. The face plate is moulded in a semitranslucent 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 **columbus[®]**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.



COM	Common
NO	Normally Open
NC	Normally Closed
Single pole timers only have one set of contacts fitted	

IMPORTANT NOTICE

All wiring should be carried out by a competent person or a qualified Electrician in accordance with the current IEE Wiring Regulations. If unit is faulty return to place of purchase.

TECHNICAL HELPLINE

For further help, or information on this and the other products in the Elkay range visit www.elkay.co.uk or call 01675 468222.



Elkay Electrical, Coleshill, Birmingham, England.

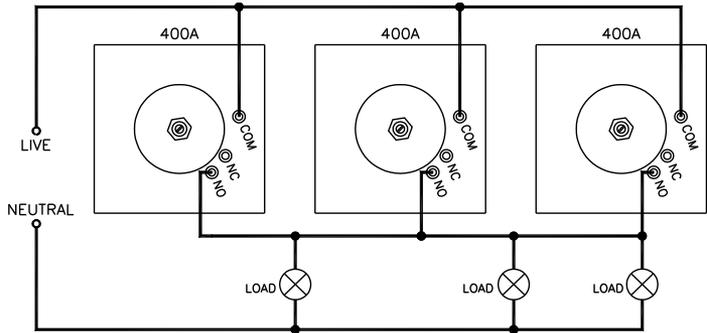
Tel: +44 (0) 1675 468222 www.elkay.co.uk

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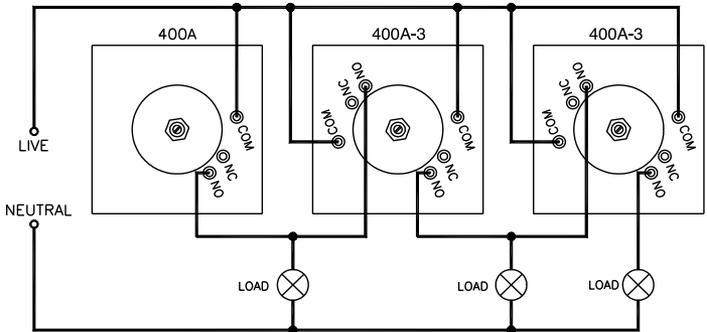
WIRING

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.

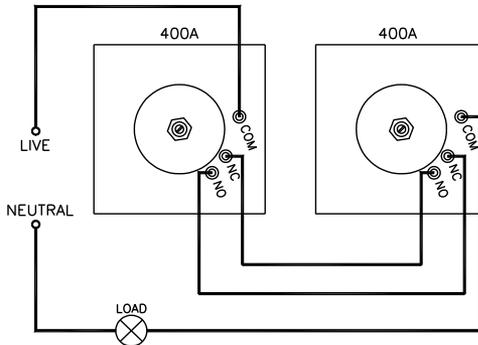
- Typical Circuit for Corridor Lighting ie. Lights will stay on until last timer goes off.



- Typical Circuit for Staircase Lighting.



- Can also be used to replace Two Way Switching.



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