

# The New Range of Push-button Timer Switches



two and three  
**NEW**  
wire models

***Energy and cost savings at the push of a button***

# *Switches that turn the lights off for you*



## *Switches that provide convenient, economical lighting*

***Clipsal now introduces a complete range of reliable and extremely accurate electronic timers to suit a variety of applications.***

***The new range is available in two and three wire configurations, with each unit having a maximum load rating of 10A.***

***These electronic timers automatically turn the load off after a preset period, resulting in real energy and cost savings. All are available in either Standard Range or 2000 Series formats.***

### ***Two wire operation***

Our two wire electronic timers with override function incorporate a new circuit that allows the control of a 10A load current (relay output), without the need for a neutral connection.

These devices require a minimum load of 40mA to operate correctly. If the load to be controlled is less than 40mA, a load capacitor should be connected between the Load and Active terminal of the timer, or a three wire timer should be used.

### ***Three wire operation***

The three wire devices offer a number of advantages over the two wire models, including a longer time out period, programmable load status indicator, selectable switch modes (normally open or normally closed contacts) and no minimum load requirements.

Three wire devices require a neutral connection for correct operation.





### ***Remote operation***

All Clipsal electronic timers feature a remote connection facility which allows any number of remote push-button switches to be connected between this terminal and the neutral, to remotely trigger the timer.

### ***Contact function***

The electronic timers feature a 10A load circuit suitable for both incandescent and fluorescent loads. Two wire devices feature normally open contacts, while three wire devices feature a programmable contact function.

The installer selects either normally open or normally closed contacts, by setting the appropriate DIP switch on the rear of the unit.



outdoors



stairways

### ***Uses of Timer Switches***

Timer switches are a convenient way of saving energy and money in areas where lights are usually needed for a limited or known time, such as pantries, stairways, bathrooms and storerooms.



bathrooms



storerooms



<b>Product Range</b>	
Catalogue No.	Description
<b>31VETR</b>	Two Wire Push-button Timer, 0 - 254 mins, Standard Range
<b>2031VETR</b>	Two Wire Push-button Timer, 0 - 254 mins, 2000 Series
<b>31VETR3</b>	Three Wire Push-button Timer, 0 - 15 hrs, Standard Range
<b>2031VETR3</b>	Three Wire Push-button Timer, 0 - 15 hrs, 2000 Series

<b>Technical Specifications</b>		
Specification	2 Wire Devices	3 Wire Devices
<b>Operating Voltage Range</b>	190 - 265V a.c.	195 - 265V a.c.
<b>Minimum Load Current</b>	40mA	0mA
<b>Timer Range</b>	15 sec - 254 mins	10 sec - 15 hrs
<b>Timer Accuracy</b>	+/- 8%	+/- 1%
<b>Contact Type</b>	N.O.	N.O. or N.C.
<b>Warm Up Time at 240V a.c.</b>	30 seconds (max.)	-
<b>Operating Temperature Range</b>	0 to 40°C	-10°C to 50°C
<b>Maximum Load Current</b>	10A (incandescent or fluorescent)	
<b>Maximum Length of Remote Input Cable</b>	100 metres	
<b>Standard Colours</b>	White Electric (WE), Soft Grey (SG), Desert Sand (DS), Cream (CM)	

Features	Benefits
<b>Improved terminal design</b>	Ease of wiring termination and simplified installation
<b>Connection for remote push-button switch</b>	Permits remote control of timer from any number of locations using a standard push-button switch
<b>Variable timer settings</b>	Allows the timer to be used for maximum energy savings in a wide range of applications
<b>10A load capability</b>	Suitable for a wide range of loads, including incandescent and fluorescent lighting
<b>New enclosure design</b>	Provides more room for wiring and easier fitting into standard wall box
<b>State of the art microprocessor design</b>	Highly reliable and accurate timing
<b>Near zero crossing turn on switching</b>	Prolongs the life of the relay contacts - in excess of 100,000 operations
<b>Simple set up procedures</b>	Fast installation

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