

# AT-372 ULTRA TIMER

Time period 1 second to 64 weeks - accurate DIL switch time settings - 3 modes of operation - wide operating voltage.

- Working voltage 9.5 - 30V DC - auto selected by timer (no need to set input)
- “Pulse” activation after time out - option on two of the modes
- Selectable trigger and reset input polarity
- 1 second to 64 week time period. Selectable by DIL switch - crystal controlled for accurate time
- Double pole relay will switch mains - contacts rated at 8 Amps
- Three modes of operation

**SETTING TIME PERIOD** - seconds, minutes, hours, days and weeks - could not be simpler - just look up the time required in the “time table” and set the DIL switch accordingly

**OPERATING MODE A** - trigger applied - times out and activates the relay - if auto link is fitted relay drops out after 20 seconds and is then “waiting for next trigger”

**OPERATING MODE B** - trigger applied – relay activates for time period then drops out. It is then ready for the next trigger.

**OPERATING MODE C** - once applied the trigger must remain for the duration of the time setting to activate the relay. An example of this would be monitoring a fire door. If the door is opened the timer starts (say it has been set for 3 minutes) if the door closes before the three minutes nothing happens,



however if the door is open after the 3 minutes the relay will activate - if auto link is fitted relay drops out after 20 seconds and is then “waiting for next trigger”

**ACTIVATION** - trigger and reset input polarity is set by jumper links.

## SPECIFICATION

### INPUT LEVELS FOR TRIGGER OR RESET

#### LOW:

Less than 220 ohms to ground OR an input of less than 0.8 volts

#### HIGH:

Greater than 4700 ohms to ground OR an input of greater than 4 volts

Maximum input voltage 30V

Minimum input voltage -4V

Peak current available from either pin, 5mA

### OUTPUT LEVELS

Double pole contacts

AC: Maximum switching voltage 250 volts, maximum current 8 Amps (non inductive load)

DC: Maximum switching voltage 30 volts, maximum current 5 Amps (non inductive load)

Minimum switching level 5V @ 10mA

### ENVIRONMENTAL OPERATING CONDITIONS

Temperature range -10°C to +60°C

Maximum humidity 80% non condensing

### SUPPLY VOLTAGE

Between 9.5 to 30V, automatically selected by the timer, no need to set jumpers or cut links.

### UNIT SUPPLIED

In strong cardboard carton with 4 sticky fixers

### DIMENSIONS

77.9 X 47mm

### PACKING WEIGHT

80 grams

