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(IS ARM) **0-15 min advanced relay module** **(0-60secs or 1-15mins)**

The IS ARM (Advanced Relay Module) is a simple low cost and versatile timer that is suitable for security, fire, door access, CCTV systems and many other applications where a reliable timer is required. It has been designed for 12 or 24 volt DC operation and has a double pole relay rated at 8 amps 240 volts AC complete with LED indication.

Time intervals:

Range 1	0-60 sec	plug in Jumper "1/15 min" and adjusted by potentiometer
Range 2	1-15 min	remove Jumper in "1/15 min" and adjust by potentiometer

OPERATION

Mode 1

With Jumper 1 in and Jumper 2 out, when a permanent trigger is applied the timer will count down. After the preset time the relay will energise until the trigger is removed.

Mode 2

With Jumper 1 and 2 out:

- 1) When a momentary trigger is applied the relay energises for the timed period then de-energises.
- 2) When a permanent trigger is applied the relay energises. When the trigger is removed the timer counts the timed period then de-energises. If the trigger is reapplied during the timed period timer resets and the relay remains energised.

Mode 3

With Jumper 1 out and Jumper 2 in, when a permanent trigger is applied the relay energises for the timed period and then de-energises. Or if the trigger is removed during the timed period the relay will de-energise.

Mode 4

With Jumper 1 and Jumper 2 in when a permanent trigger is removed the timer starts counting if the trigger is not reapplied within the timescale the relay activates. The relay de-energises when the trigger is reapplied.

Mode 5

With jumper in "non-latch" the relay will latch on after a trigger input until reset by shorting the reset pins

Trigger inputs:

This may be positive or negative voltage.

The input can be a brief pulse or a continuous signal.

Supply Voltage	12 Volts DC	24 Volts DC
Quiescent Current	5 mA	5 mA
Current when active	30 mA	50 mA
Trigger Drain	1 mA	2 mA
Dimensions	55 mm (W), 80 mm (L), 30 mm (H)	

We recommend IS Sticky Feet Size B, self-adhesive mounting pillars to ensure a neat fixing.

