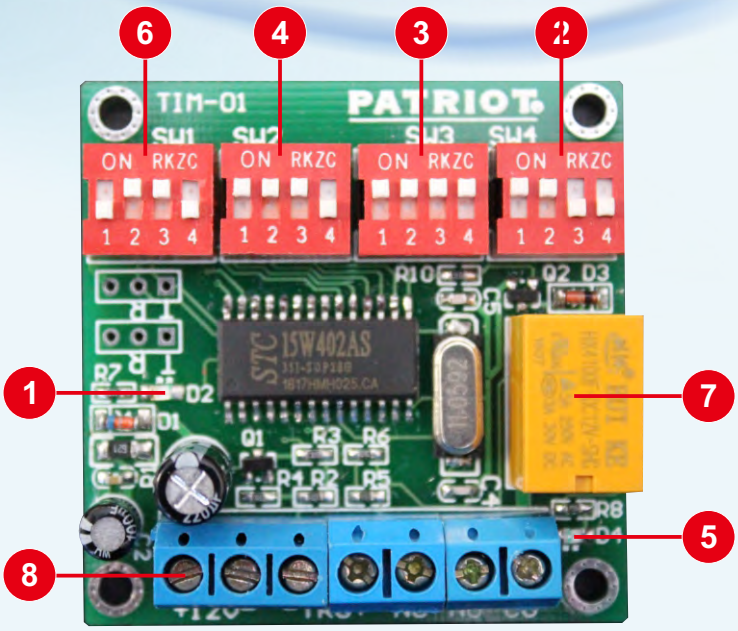
Digital Timer Board

Features

- Designed to provide 8 field programmable functions controlling a Single Pole Double Throw relay with timing intervals ranging between 1 second and 99 days

Layout

1. Power LED
2. SW4 - “Ones” DIP Switches
3. SW3 - “Tens” DIP Switches
4. SW2 - “Timing” DIP Switches
5. Relay Operation LED
6. SW1 - “Mode” DIP Switches
7. Output Relay - 1A @ 30VDC
8. Terminal Block



Specifications

Model:	Tim 01
Input Voltage:	12VDC - 13.8VDC
Quiescent Current:	15mA @ 12VDC
Operation Current:	35mA @ 12VDC
Relay Rating:	1A @ 30VDC
Size:	50 x 50 mm

Program Mode

One shot - Applying trigger activates relay for selected time. Trigger input must be removed & re-applied to re-active.

Retriggerable - As for One Shot, except where input is retriggered, the timer starts again.

Strobe - Requires momentary trigger to be applied, relay will activate for programmed time.

Clutch Relay - Applying trigger causes relay to change state. Removing and re-applying trigger forces relay to change state. No timing function in this mode.

Programmed Pulse - Applying trigger causes relay to operate for one second at programmed intervals. Set intervals on SW2, SW3 & SW4. Operation ceases when trigger is removed.

Debounce - Applying trigger causes relay to activate for programmed time. Relay remains activated until timeout regardless of trigger being removed. If input remains triggered after timeout, relay remains activated until trigger is removed.

Stand-Off Timer - Ideal for DOTL (Door Open Too Long) alarms. Timing commences when trigger is applied. If trigger is removed before timeout, relay will not activate. If trigger remains after timeout, relay will activate.

Fail Secure - The relay does not change state during power failure.

Fail Safe - The relay is energised when the trigger is not active. Relay will de-energise (e.g. releasing power to door locks) during a power failure.