



The Universal Timer Module has been designed to provide eight field programmable functions controlling a SPDT relay from one second to 99 days.

12v DC operated the TIM-01 caters for both + or—trigger inputs removing the need for external pull up or pull down resistors.

Numerous control equipment manufacturers provide open collector or positive 5v untimed outputs on their products which are not capable of driving more than 50mA., therefore making it impossible to directly drive relays and other warning equipment. Due to the flexibility of the TIM-01 the majority of installation service woes are addressed.

In access control situations where a fail safe relay is required the Universal Timer Module can meet the requirement.

**One Shot**—Upon trigger the relay will operate for the programmed time.

**One Shot Retriggerable**—Upon trigger the relay will operate for the programmed time. If during this time the input is triggered again the timer restarts.

**Strobe Reset**—Upon trigger the relay will operate. Upon trigger reset the relay will remain in operation until the timer has elapsed.

**Clutch Relay**—Upon momentary trigger the relay will operate. Upon the second momentary pulse the relay will reset.

**Programmed Pulse**—Upon trigger the relay will operate for one second at intervals programmed by dipswitches. E.g Dipswitch = 2 sec's. On for 1 sec, Off for 2 sec, On for 1 sec, Off for 2 sec.

**Delayed Start**—Upon trigger the relay operates and timer starts. Upon trigger restore the timer restarts for programmed time.

**Stand Off Timer**—Upon trigger the timer starts. If trigger restore before timer expires the relay does not operate, if not relay operates at end of timer.

**Relay Fail Secure**—Relay does not change state in the event of power failure.

**Relay Fail Safe**—Relay is in operation all the time and is turned off upon trigger. Relay also turns off upon power fail.

Security Wholesale 2001 Ltd  
Cnr Sims & Great South Road Penrose, Auckland  
Ph: (09) 580 1147 Fax: (09) 580 1159  
trade@swl.co.nz www.swl.co.nz

Universal Timer Module

TIM-01