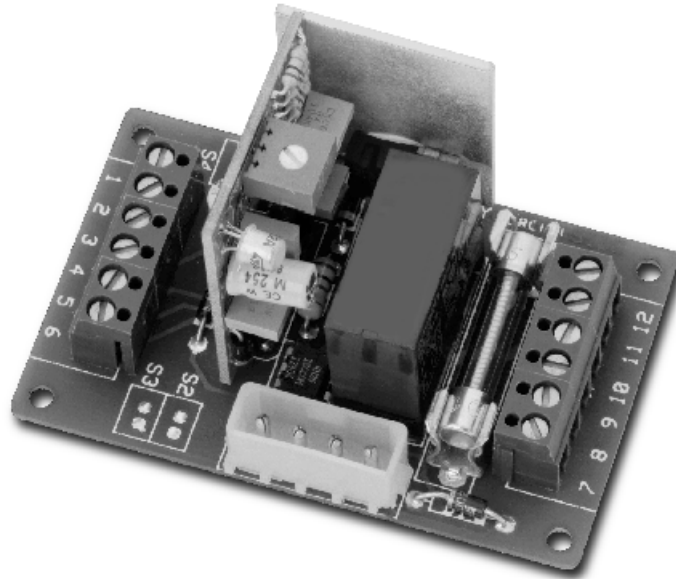
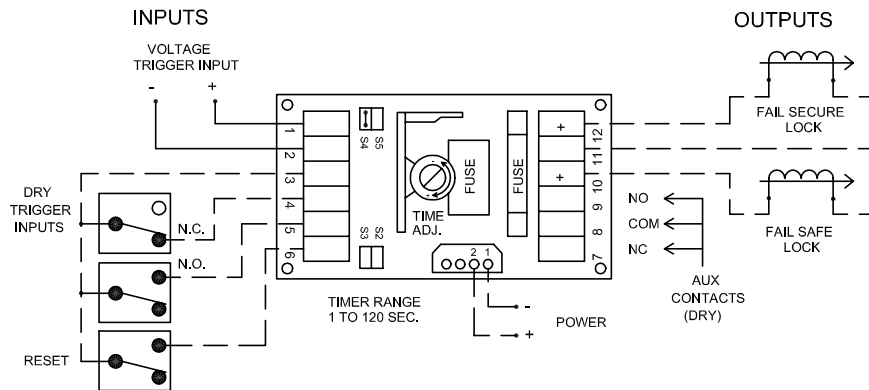


TD – TIME DELAY RELAY MODULE



OPERATION:

When triggered, the optional TD module will unlock a door for a field adjustable time of 1 to 120 seconds. The TD operates on 12V to 24V DC and provides one (1) Fused SPDT (Terminals 10, 11 & 12) Voltage output (5 Amp Max.) and one (1) Dry SPDT (Terminals 7, 8 & 9) Auxiliary Relay (5 Amp Max.) contact. The output current can not exceed the power supply ratings of 1.5 Amps. The TD can be triggered by either a Normally Closed (NC Terminal 4) or Normally Open (NO Terminal 5) Dry contact or an Input Voltage trigger (Normally Off, 12V to 24V AC or DC - Terminals 1 & 2). A Reset trigger (Terminal 6) from a normally open door position switch can be used to terminate the time delay and re-lock the door. (Terminal 3) is used as the Dry trigger common and Reset Common contact.



CONTACT DESCRIPTIONS

TERMINALS	DEFINITION
1	VOLTAGE INPUT TRIGGER POSITIVE
2	VOLTAGE INPUT TRIGGER NEGATIVE
3	DRY TRIGGER & RESET - COMMON
4	DRY TRIGGER - NORMALLY CLOSED
5	DRY TRIGGER - NORMALLY OPEN
6	DRY TIMER RESET - NORMALLY OPEN
7	NORMALLY CLOSED
8	COMMON
9	NORMALLY OPEN
10	FAIL SAFE OUTPUT (NORMALLY CLOSED) POSITIVE
11	OUTPUT (COMMON) NEGATIVE
12	FAIL SECURE OUTPUT (NORMALLY OPEN) POSITIVE

NOTES:

1. POWER CONSUMPTION- 65ma.
2. POWER INPUT MUST BE SUFFICIENT FOR BOTH TIME DELAY AND ELECTRIC LOCK CURRENT CONSUMPTION COMBINED.
3. TRIGGER INPUTS (BOTH VOLTAGE AND DRY) MAY BE USED SIMULTANEOUSLY.
4. TIMER RESET: WIRING A N.O. DOOR POSITION SWITCH TO THE RESET INPUT RESETS THE TIMER AS SOON AS THE DOOR OPENS. THIS ASSURES IMMEDIATE RELOCKING WHEN THE DOOR CLOSES TO GUARD AGAINST UNAUTHORIZED ENTRY OF FOLLOWING PEDESTRIANS. TO RESET THE TIMER AFTER THE DOOR HAS OPENED AND CLOSED, USE MODEL RS DOOR POSITION SWITCH.