

DANGER!



Potentially hazardous voltages are present. Electrical shock can cause death or serious injury. Installation should be done by qualified personnel following all National, State & Local Codes.



BE SURE TO REMOVE ALL POWER SUPPLYING THIS EQUIPMENT BEFORE CONNECTING OR DISCONNECTING WIRING. READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE. KEEP FOR FUTURE REFERENCE.

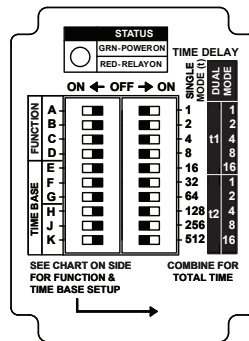
Installation: Mount the 70170-D 11 pin octal socket in a suitable enclosure. Wire the socket per the wiring diagram on the side of the time delay relay. Make sure to match the terminal numbers on the socket to the ones shown on the wiring diagram (the wiring diagram on the relay is the view looking towards the bottom of the relay vs. the top of the socket). Use #12-20 solid or stranded copper or copper-clad aluminum wires with 70170-D socket and a terminal tightening torque of 7 in-lbs. Plug the time delay relay into the socket, making sure the key on the center post is in the proper orientation before insertion. If the relay must be removed from the socket, do NOT rock the relay back and forth excessively—the center post could be damaged.

The following applies to only the TRM-16 Series Multi-Function unit (Figure 1):

Programming is accomplished through the use of two 10-position DIP-switches. Switches A-D of the left-mounted DIP-switch are used to select a function (as a guide, see the descriptions of how each function operates on the reverse side of this sheet). Switches E, F & G of the same DIP-switch are used to select the time base (t) for single mode functions and (t1) for dual mode functions. Switches H, J & K are used to select the time base (t2) for dual mode functions. A convenient chart is on the side of the product to clearly illustrate how to set both the function and time base.

The right-mounted 10-position DIP-switch is used to select the time delay within the time base or bases selected with switches E-K from the first DIP-switch. Each position on the right-mounted DIP-switch is marked with a time increment. The required delay, (t) for single mode functions or (t1) and (t2) for dual mode functions, is selected by moving the switch of each increment to the ON position and adding their corresponding values. NOTE: Dual mode functions can either have the same or different (t1) and (t2) times as well as different time bases. NOTE: Switches H, J, & K are only used on dual mode functions and are not used for single mode functions.

LED Indicator: Green ON--Power, Red ON--Relay Energized



Top

SELECT FUNCTION					SELECT TIME BASE				
FUNCTION	A	B	C	D	BASE	E	F	G	
ON DELAY	OFF	OFF	OFF	OFF	0.1 S	ON	OFF	OFF	OFF
INTERVAL ON	ON	OFF	OFF	OFF	1 S	OFF	ON	OFF	OFF
OFF DELAY	OFF	ON	OFF	OFF	0.1 M	OFF	OFF	ON	OFF
TR. ON DELAY	ON	ON	OFF	OFF	1 M	ON	ON	OFF	ON
FLASHER (ON)	OFF	OFF	ON	OFF	0.1 H	ON	OFF	ON	OFF
FLASHER (OFF)	ON	OFF	ON	OFF	1 H	OFF	ON	ON	ON
WATCHDOG	OFF	ON	ON	OFF	10H	ON	ON	ON	ON
ONE SHOT F. EDGE	ON	ON	ON	OFF	BASE	H	J	K	
SINGLE SHOT	OFF	OFF	OFF	ON	0.01 S	OFF	OFF	OFF	OFF
CYCLE (ON)	ON	ON	OFF	ON	0.1 S	ON	OFF	OFF	OFF
CYCLE (OFF)	OFF	ON	OFF	ON	1 S	OFF	ON	OFF	OFF
DELAYED INTERVAL	ON	ON	OFF	ON	0.1 M	OFF	OFF	ON	OFF
ON/OFF DELAY	OFF	OFF	ON	ON	1 M	ON	ON	ON	OFF
TR. DELAYED INT.	ON	OFF	ON	ON	0.1 H	ON	OFF	ON	ON
ON SHOT-FLASHER	OFF	ON	ON	ON	1 H	OFF	ON	ON	ON
ON DELAY-FLASHER	ON	ON	ON	ON	10H	ON	ON	ON	ON

NOTE: SWITCHES H, J, & K ARE ONLY USED ON DUAL MODE FUNCTIONS

Side

Figure 1

Troubleshooting: If the unit fails to operate properly, check that all connections are correct per the appropriate wiring diagram on the product. Refer to the description of the function operation on the next page. If problems continue, contact Automation Direct.

