DrSense[®] Relay Timers

Multi-Mode Relay Timers TRM-16 Series Overview Features

The TRM-16 series offers the digital accuracy of DIP-switch setting as well as the flexible programmability of a multi-function and multi-time range relay. These products provide an easy and accurate method to select any of 16 time delay functions and any time delay between 0.05 seconds and 10,230 hours (310 hours maximum for Dual Mode functions). Programming is accomplished through the use of two 10-position DIP-switches.

- Sixteen user-selectable modes in one unit
- DIP-switches for accurate digital set of time delay and selection of function
- 0.05 seconds to 10,230 hours programmable time delay (Single mode functions only)
- 120 VAC/VDC and 24 VAC/VDC models available
- 11-pin octal socket
- 10A DPDT output contact
- LED indicates timing mode and time out conditions



TRM-16-D-120AD

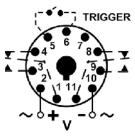
Multi-Mode Relay Timers TRM-16 Series									
Part Number	Price	Timer Type	Timing Range	Voltage	Output Type	Drawing Links			
<u>TRM-16-D-120AD</u>	\$88.00	Multi-mode 16 mode selectable	0.05 seconds to 10,230 hours selectable	120 VAC/VDC	(1) DPDT timed relay	PDF			
<u>TRM-16-D-24AD</u>	\$88.00	Multi-mode16 mode selectable	0.05 seconds to 10,230 hours selectable	24 VAC/VDC	(1) DPDT timed relay	PDF			

Multi-Mode	Relay Timer Spec	ifications				
Part Number	<u>TRM-16-D-120AD</u>	<u>TRM-16-D-24AD</u>				
Input Specifications						
Nominal Voltage	120 VAC/VDC	24 VAC/VDC				
Nominal Consumption	Max2	2VA				
Nominal Frequency	50/60	Hz				
Contact Specifications						
Туре	(1) DI	PDT				
Switching Capacity	1/2 HP @ 120/2 1/3 HP @ 120/2 B300 & R3	10A @ 240VAC, 30VDC 1/2 HP @ 120/240 VAC (N.O.) 1/3 HP @ 120/240 VAC (N.C.) B300 & R300 (N.O.) AC15 and DC13				
Electrical Lifetime	Full Load: 100,000 operations					
Aechanical Lifetime 10,000,000 operations						
Reset Time						
Functions Triggered with All Other Functions	0.1 sec	0.1 seconds				
Functions Triggered with Control Switch	ctions Triggered with					
Time Circuit Specifications						
Setting Accuracy	Constant Voltage & Temperature w/i specifications: +0.1% of set time or +50ms, whichever is greater For Variable Voltage & Temperature w/i specifications: +1% of set time or +50ms, whichever is greater					
Start-up Time	Time from when power is applied until unit is timing: 0.05 seconds					
Maintain Function Time	Time unit continues to operate after power is removed: 0.01 seconds					
Repeat Accuracy	+Constant Voltage & Temperature w/i specifications: +0.1% of set time or +0.02 seconds, whichever is greater For Variable Voltage & Temperature w/i specifications: +1% of set time or +0.02 seconds, whichever is greater					

Multi-Mode	Relay Timer Specifications					
General Specifications						
Connection (screw terminal)	Recommend <u>70170-D</u> socket 1 or 2 -#12-20 AWG Wire					
Tightening Torque	12 in-lb					
Wire/Ferrule Size	1 or 2 #12-20 AWG (Ferrule size: Stud size 6 with max overall width 0.30")					
Ambient Temperature	-28 to +65°C [-18 to +150°F]					
Storage Temperature	-40 to +85°C [-40 to +185°F]					
Protection Rating	IP20					
Vibration Resistance	10-55 Hz with 3G maximum and 0.5mm total displacement (+/25mm).					
Mounting	Socket mount (11-pin required)					
Mounting Orientation	Any					
LED Indicator	Green ON - Power Red ON - Relay Energized					
Weight	0.22 lbs					
Agency Approvals and Standards *	UR File E191059, CSA File 602618, CE, UL Listed with appropriate socket File E191059					

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

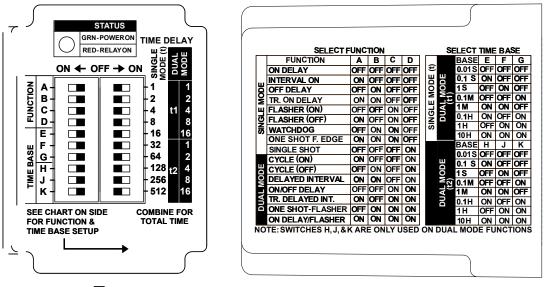
Wiring Diagram



DrSense[®] **Relay Timers**

TRM-16 Series Multi-Mode Relay Timers

Function Table







DrSense[®] Octal Sockets

Features

- Mounts on 35mm DIN rail
- Screw clamp wire termination



70169-D



<u>70170-D</u>



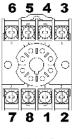
750-2C-SKT

Octal Sockets for Relays								
Part Number	Price	Description	Qty	Wt (lb)	Drawing Links			
<u>70169-D</u>	\$5.25	Macromatic relay socket, 8-pin, 35mm DIN rail or panel mount. For use with ProSense octal relays.	1	0.1	<u>PDF</u>			
<u>70170-D</u>	\$6.25	Macromatic relay socket, 11-pin, 35mm DIN rail or panel mount. For use with ProSense octal relays.	1	0.1	<u>PDF</u>			
<u>750-2C-SKT</u>	\$4.75	AutomationDirect relay socket, 8-pin, 35mm DIN rail or panel mount. For use with 750-2C and H750-2C series octal relays.	1	0.1	PDF			

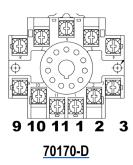
Octal Sockets Specifications									
Part Number	Number of Pins	Voltage	Current	Screw Size	Wire Size (capacity)	Screw Torque	Screw Chassis Mounting Torque	Agency Approval *	
<u>70169-D</u>	8	600V	10A	6-32	1 or 2, 12-20 AWG	12 in-lb	7 in-lb	UL Recognized E169693, CSA, CE	
<u>70170-D</u>	11	300V	10A	6-32	1 or 2, 12-20 AWG	12 in-lb	12 in-lb		
<u>750-2C-SKT</u>	8	600V	5A	M3.5	1-12 AWG / 1-14 AWG	9 in-lb	7 in-lb	UL Recognized E225080, CSA, CE	

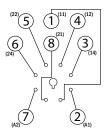
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Socket Pinouts



<u>70169-D</u>





750-2C-SKT