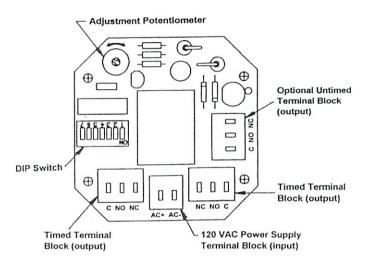


Model TR Time Delay Relay

Installation and Wiring Instructions



Time Dela Range in Minutes

		DIP Switch Positions						
٢		11	12	13	14	15	6	7
ŀ	0-1	OFF	ON	ON	OFF	OFF	OFF	OFF
1	0-3	OFF	ON	ON	ON	OFF	OFF	OFF
٠.	0-7	OFF	ON	ON	ON	ON	OFF	OFF
1	0-15	OFF	ON	ON	ON	ON	ON	OFF
н	0.31	OFF	ON	ON	ON	ON	ON	ON

Power Supply:

120 VAC

Maximum Temperature: 150°F (65°C) Timed Relay Contacts: 2 SPDT

10 A @ 120/240 VAC Timed Relay Rating:

5 A @ 30 VDC (resistive load) 5 field adjustable from Time Delay Ranges: 0-1 to 0-31 minutes

2-3/4" X 2-3/4" X 1-1/2" H Dimensions:

(70 X 70 X 38.1 mm) 2.3 ounces (65 grams)

Weight:

Wiring

optional accessory which is installed between the typical snap action switch used in most pressure, flow, level and temperature controls and the alarm, pump, motor, etc. being controlled. Because of the sensitivity and low deadband inherent in many of these sensing devices, the equipment they control may be subjected to excessive intermittent operation when conditions are quickly varying at or near the setpoint. This circuit allows enough time for the condition to shift past that temporary point of fluctuation before equipment is turned on or off thus

avoiding "chattering" and the excessive wear on

The Dwyer Model TR Time Delay Relay is an

controlled devices.

Time Delay Adjustment

Select delay range from chart above and set DIP switches in appropriate positions. Within that range, adjust the one-turn (360°) potentiometer for the exact time delay interval required. For example: if a 5 minute delay is required, set DIP switches to 0-7 minute positions. Then use potentiometer to adjust to 5 minute period.

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Wire in accordance with local codes and install in suitable enclosure. Do not exceed electrical ratings. Electrical components must be kept dry at all times. Connect wiring by pushing stripped and tinned leads into appropriate openings on sides of terminal blocks. To connect un-tinned stranded leads or to remove wires, first depress spring releases on top of terminal blocks with a small screwdriver. Connect 120 VAC to Power Supply Terminals shown in This circuit is not designed for other

Connect circuit(s) being controlled to Timed Terminal Blocks. Normally open contacts will close and normally closed contacts will open when time interval set above expires. Units marked TR 1 will initiate the time delay cycle with increasing flow, pressure, etc. past the setpoint and units marked TR 2 will do so on a decrease. This action is factory set and not designed for field change. The single untimed terminal (if included) will respond immediately to the sensing device switch action with no time delay. Replace all enclosure covers before placing in service.

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DWYER INSTRUMENTS, INC P. O. BOX 373 . MICHIGAN CITY, INDIANA 46360, U.S.A.

Telephone 219/879-8000 Fax 219/872-9057