

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.

WIRING

Wire the unit per the connection diagram on the top of the time delay relay.
 NOTE: For products that use a Trigger to initiate the unit, this Trigger must be a dry-type contact (**applying voltage to the terminals could damage the unit**). For DC Input Voltages, make sure the polarity matches the connection diagram. Using a solid state switch to initiate the time sequence is acceptable.

SETTING THE TIME DELAY

All T2L, T2R, T2S, T30R Series products come with a specific single time delay range as indicated on the nameplate and by the suffix to the Product Number. Adjust the time delay within the specific time range by rotating the knob located on the top of the unit. Note: the dial markings are for reference only.

TROUBLESHOOTING

If the unit fails to operate properly, check that all connections are correct per the connection diagram on the product. For DC Input Voltages, make sure the polarity matches the connection diagram. Use the descriptions of how each function operates below & on back of this sheet as a guide to determine if the unit is operating properly. If problems continue, contact Automation Direct for more information.

Function	Product Series	Operation	Timing Chart
ON DELAY Delay on Operate	T2L-ND T2R-ND T2S-ND T30R-ND	Upon application of input voltage, the time delay (t) begins. At the end of the time delay (t), the output is energized. Input voltage must be removed to reset the time delay relay & de-energize the output.	
INTERVAL ON Interval	T2S-TT	Upon application of input voltage, the output is energized and the time delay (t) begins. At the end of the time delay (t), the output is de-energized. Input voltage must be removed to reset the time delay relay.	
SINGLE SHOT One Shot Momentary Interval	T2R-SST T2S-SST T30R-SST	Upon application of input voltage, the time delay relay is ready to accept a trigger. When the trigger is applied, the output is energized and the time delay (t) begins. During the time delay (t), the trigger is ignored. At the end of the time delay (t), the output is de-energized and the time delay is ready to accept another trigger.	
OFF DELAY Delay on Release Delay on Break Delay on De-Energization	T2R-FD T2S-FD T30R-FD	Upon application of input voltage, the time delay relay is ready to accept a trigger. When the trigger is applied, the output is energized. Upon removal of the trigger, the time delay (t) begins. At the end of the time delay (t), the output is de-energized. Any application of the trigger during the time delay will reset the time delay (t) and the output remains energized.	
Repeat Cycle OFF First	T30R-RC	Upon application of input voltage, the time delay (t1) begins. At the end of the time delay (t1), the output is energized and remains in that condition for the time delay (t2). At the end of this time delay, the output is de-energized and the sequence repeats until input voltage is removed.	