

Dayton® Multi-Function / Multi-Range Time Delay Relay

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Operation

RANGE SELECTION

There are five different timing ranges from which to choose. The 3 digit switch selects the amount of time to each range.

1. The input power should be disconnected when setting the time interval to insure proper operation.
2. Determine the time interval need for your application. (EX: 20.5 seconds)

Switch Position	Time Ranges
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1st	0.05 to 9.99 seconds
2nd	0.1 to 99.9 seconds
3rd	1 to 999 seconds
4th	0.1 to 99.9 minutes
5th	1 to 999 minutes

3. Position the range select switch to the lowest range that meets your needs. (EX: 99.9)
4. Set the three digit time select switch to the desired time. (EX: 205).

FUNCTION SELECTION

There are five different functions from which to choose.

FUNCTION SELECTIONS

Repeat	Repeat cycle (50% fixed duty cycle)
1-Shot	One-Shot
D.O.B.	Off Delay
Interval.	Interval
D.O.M.	On Delay

Read thru the operation and application sections of this manual to determine the proper function selection for your

application. To ensure proper operation, the input power should be disconnected before changing functions.

On Delay: Upon application of voltage to input terminals, time delay period begins. At end of time delay period, output contacts transfer, either connecting or disconnecting load. Reset is accomplished by removing input voltage.

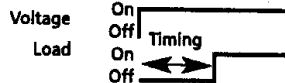


Figure 2

Interval: Upon application of voltage to input terminals, output contacts transfer and time delay period begins. At end of time delay period, contacts transfer back, either connecting or disconnecting load. Reset is accomplished by removing input voltage.

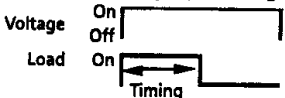


Figure 3

Off Delay: Voltage is to be applied to input terminals at all times that this product is in use. Upon closure of control switch, output contacts transfer. Once control switch is "opened," time delay period begins. Control switch closures prior to end of time delay period will immediately reset timer. At end of time delay period, output contacts will transfer back to their original positions, and timer is ready for a new cycle.

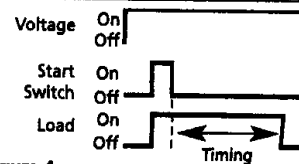


Figure 4

Repeat Cycle: Upon application of voltage to the input terminals, the "off" delay is initiated. At the end of the "off" preset time, the contacts transfer from the "off" to the "on" position and the "on" delay starts. At the end of the "on" preset time the contacts transfer from the "on" to the "off" position and a new cycle begins. The "on" and "off" cycles will continue to alternate until input voltage is removed.

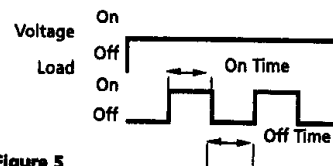


Figure 5

One Shot: Voltage is to be applied to input terminals at all times that this product is in use. Upon momentary or maintained closure of control switch, output contacts transfer and time delay period begins. At end of time delay period, output contacts will transfer back to their original positions, and timer is ready for a new cycle.

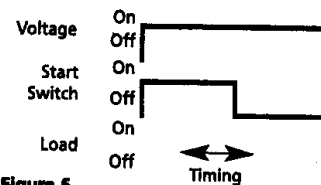


Figure 6