

ELECTRIMOTION INC.  
 1484 DALE FORD RD.  
 DELAWARE, OH 43015  
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## 8 channel programmable event timer.



### Connections

<p><b>Power Input connector:</b></p> <p>(red-black) wires        9-16 volt input</p>	<p><b>Start Configurations:</b></p> <p><input type="checkbox"/> Apply 12v to Green wire to start the timer.</p> <p><input type="checkbox"/> Remove 12v from Green wire to start the timer.</p> <p><input type="checkbox"/> Remove 12v from Green wire to start the timer.        Re-Apply 12v to Green wire to reset the timer.</p>															
<p><b>Outputs: 10 pin conn:</b></p> <div style="text-align: center;"> <table border="1" style="margin: auto;"> <tr> <td>B</td> <td style="color: magenta;">2</td> <td style="color: yellow;">4</td> <td>6</td> <td>R</td> </tr> <tr> <td style="color: red;">8</td> <td>7</td> <td style="color: green;">5</td> <td style="color: orange;">3</td> <td style="color: blue;">1</td> </tr> <tr> <td colspan="5" style="text-align: center;"> <div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 auto;"></div> </td> </tr> </table> <p>Red=Pos            Black=Neg</p> </div>		B	2	4	6	R	8	7	5	3	1	<div style="border: 1px solid gray; width: 20px; height: 20px; margin: 0 auto;"></div>				
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<p><b>Mounting:</b></p> <p>10-32 screws—2.500" by            1.000"</p>	<p><b>Overall Dims:</b></p> <p>2.250" * 3.500" * 1.750"</p>															

# Timer Operation:

## Startup:

1. Connect unit to +12V
2. The display shows "0" in the channel digit. Channel 0 is the starting screen for the timer.
3. The display also shows the voltage (11.45v) that the unit read, 1 sec before resetting the last time it was triggered. This is used to give you an idea what load the system is putting on your batteries. (Fig. 1)
4. After a few seconds the display switches to reading the current battery voltage. (Fig. 2)

Power on saved voltage



Fig. 1

Current battery voltage



Fig. 2

The timer has 8 channels (1 – 8) that can be individually programmed to turn on and off at specific times.

## Timer operation (On time):

1. To enter the on time for channel 1, press “CH ^” the display will show “1 0.10”, this indicates that channel 1 will activate 0.10 seconds from the time the timer is activated.
2. By pressing the any of the 3 sec buttons you can change the time that the channel is activated. (Fig. 3)
3. Continue pressing the “SEC ^” button until the display changes to “1 on”. This indicates that channel 1 is always active. In “always active” mode the selected output will be active even when there is no start signal is applied. By pressing “SEC ^” the timer returns to time entry mode. (Fig. 4)

**WARNING! Do not use “always active” mode with Electric to Air solenoids. This can cause valve overheating and premature failure.**

Channel 1 active at 0.10 seconds



Fig. 3

Channel 1 always active

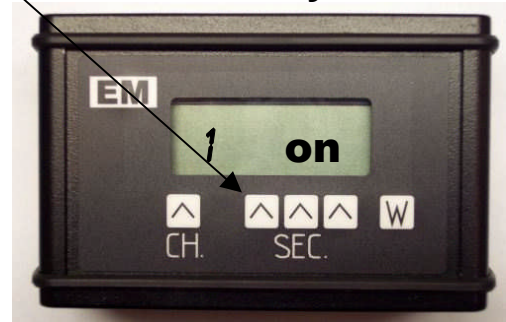


Fig. 4

4. As you change the on time, the display time value begins to blink. This indicates that you have not saved the value. Press the “W” button to save the time value.
5. The EM logo is actually a button that will take you back to channel 0.

## Record on times:

1	
2	
3	
4	
5	
6	
7	
8	

## Timer operation (Off time/channel):

1. After you have entered all the on times, press “CH ^” again, to enter the off time entry screen. The display will show “1 : 7.99”, the “:” indicates that this is an off time. Channel 1 will deactivate 7.99 seconds after the timer is activated. (Fig. 5)
2. By pressing any of the 3 sec buttons you can change the time that the channel is deactivated.

### Channel 1 off time mode

Channel 1 turns off at 7.99 seconds



Fig. 5

3. As you change the off times, the display begins to blink. This indicates that you have not saved the value. Press the “W” button to save the off time/channel value.
4. The EM logo is actually a button that will take you back to channel 0.

### Record off times:

1	
2	
3	
4	
5	
6	
7	
8	

**\*\* If you want the output channel to stay on for the entire 8 seconds, set the off time for that channel to 7:99. If you enter any off time other than 7:99 it will cause the output to turn off at that time.**