Model LCT116 LCD TIMER

INSTRUCTION MANUAL

This manual primarily describes precautions required in installing and wiring the Timer.

Model

<table>
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<tr>
<th>Model</th>
<th>Power(Optional)</th>
<th>Output</th>
<th>Time/Output mode</th>
<th>Input signal</th>
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<tr>
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<td>100 ~ 240 V AC/DC</td>
<td>On delay: 1 c</td>
<td>10 Time/ output modes</td>
<td>Reset, Start, Inhibit</td>
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<tr>
<td>11(8PIN)</td>
<td>24 ~ 48 V AC/DC</td>
<td></td>
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<tr>
<td>LCT116-20(11PIN)</td>
<td>100 ~ 240 V AC/DC</td>
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<tr>
<td>21(11PIN)</td>
<td>24 ~ 48 V AC/DC</td>
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</table>

Dimensions

Panel cutout

unit: mm

Names and functions of respective parts

① Model selection
First switch is for the mode selection.
Press the switch continuously, 10 different modes will be shown from A to J.

② Time unit selection
Last switch is for the time unit selection. Press the switch continuously, 10 different units will be shown from S to M.
3 switch in the center are for time setting
Do not set 0000 to avoid malfunction
Time unit selection should be done under OFF state, otherwise make Reset using terminal ② and ③.
Connections

1. Cautions for DC Power supply
   - Please note polarity first.
   - Ripple should be less than 20%.
   - Power should be applied at once with switch or relay contact, otherwise power reset or time-up may be occur.

2. Power ON/OFF
   Connect Power ON/OFF to terminal ① and do not use terminal ② to prevent internal circuit break.

3. Excepting the wirings for power supply circuit, avoid the laying of input signal wires in parallel or in the same conduit with high-tension or power lines. It is recommended to use shielded wires or wiring with independent metal conduits for the shortest possible distance.

Timing charts

A MODE: SIGNAL ON-DELAY

B MODE: FLICKER ON START

C MODE: SIGNAL ON/OFF DELAY

D MODE: SIGNAL OFF DELAY

E MODE: INTERVAL MODE

F MODE: ON-SHOT & FLICKER

G MODE: INTEGRATION TIME

H MODE: INTERVAL DELAY

I MODE: FLICKER-ONE SHOT

J MODE: POWER ON START

\[ t = t_1 + t_2 + t_3 \]