TH100 Intelligent time controller USES instruction manual

Thank you very much for your choice TH100 Time controller.

International electrical standard size

Please read this manual carefully before using this instrument.

You can rely on quality products.

1. The main features
   - 8 bit chip microcomputer integrated circuit, stable job.
   - The time delay time base is free to switch, the data memory can be selected, and output can be set.
   - The time delay range from 0.01 to 9999 hours can be set at any time.
   - Two sets of relay output, external pause/reset function (optional).

2. Main technical parameters
   - Work power: 85~265V AC, other power supply can be customized.
   - Contact capacity: 220VAC/3A 28VDC/5A (resistance).
   - Life of contact: ≥10 times.
   - Delay control precision: ± 0.3%.
   - Installation: panel type, device type (guide rail).
   - Use environment: temperature of -10°C to 60°C, humidity 0~85% RH.
   - Mounting hole size (long * wide): 45.5X45.5 mm.

3. Panel description
   - Timing display window
   - Delay setting value
   - The shift key
   - Functional key
   - Instrument model

   Panel related functions:
   - "Output instruction" - when the decimal point is ill, the instrument is delayed and the relay is in a state of absorption.
   - "SET" - short press, the SV digital tube flashing, can SET the delay work value Hold down for about 5 seconds and set work parameters.
   - "RST" - time delay value zero or output state reset button

4. Wiring diagram (please refer to the actual wiring diagram on the meter case)

   (double delay output)  (single delay + instantaneous output)  (delay + reset, pause)

5. Shape and panel mounting hole schematic diagram

6. Parameter meaning

<table>
<thead>
<tr>
<th>Character</th>
<th>Name</th>
<th>Parameter code and meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>r</td>
<td>Timing base</td>
<td>0.1S, 0.1min, 0.1S, 0.1sec, 5 sec, 0.1in, 0.1min from</td>
</tr>
<tr>
<td>t</td>
<td>Timing display mode</td>
<td>uw, Clikmbke, dw, counting down</td>
</tr>
<tr>
<td>τ</td>
<td>Loss of memory / cycle delay</td>
<td>0: Single time delay work, 1: Cycle delay work, 2: It has memory, cycle delay work.</td>
</tr>
<tr>
<td>r2</td>
<td>Keep the output time unit</td>
<td>yes, min</td>
</tr>
<tr>
<td>LCP</td>
<td>Locker</td>
<td>no, Full parameter open, yes, all parameters locked</td>
</tr>
</tbody>
</table>

7. Time delay setting and parameter setting flow chart

8. Precautions for use
   - When the power is disconnected, the interval time should be greater than 1 second
   - If the interval is short, please use the external reset function
   - In order to ensure the normal use of the instrument, avoid the use of corrosive, flammable, explosive and wet conditions.
   - To use clear/reset function in strong electric field environment, please use shield wire.
   - After the hardware/software upgrade, please refer to the latest version.
TH200 Intelligent time controller USES instruction manual

Thank you very much for your choice TH200 Time controller. Please read this manual carefully before using this instrument. You can rely on quality products.

1. The main features
- 8 bit chip microcomputer integrated circuit, stable job.
- Time delay time base switch, delay time base to 7.
- The delay range from 0.01 to 999 hours can be set at any time.
- Two sets of relay output (delay + instantaneous or double - delay output).

2. Main technical parameters
- Power supply: 220V AC, other power supply can be customized.
- Contact capacity: 220VAC/3A 28VDC/5A (resistance).
- Life of contact: ≥10 times.
- Delay control precision: ±0.3%.
- Installation: panel type, device type (guide rail).
- Use environment: temperature of -10 ~ + 60°C, humidity 0-85% RH.
- Mounting hole size (long + wide): 51 X 63 mm.

3. Panel description

   Timing display window
   Time base indicator light
   The shift key
   Functional Key
   Power source
   Instrument model

Panel related functions:
- When the indicator light of “H”, “M” and “S” is flashing, it indicates that the instrument is in the time-delay state of the time base, and when it is always on, it indicates that the instrument is delayed and is in a state of output.
- “SET” - short press, the SV digital tube flashing, can SET the delay work value. Hold down for about 5 seconds and set work parameters.

4. Wiring diagram (please refer to the actual wiring diagram on the meter case)

   (double delay output)
   (single delay + instantaneous output)

5. Shape and panel mounting hole schematic diagram

   Front view
   Side view
   Install hole size and moment

   The supporting round base, guide rail type square seal

6. Parameter meaning

<table>
<thead>
<tr>
<th>Character</th>
<th>Name</th>
<th>Parameter code and meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>Locker</td>
<td>100</td>
</tr>
<tr>
<td>L</td>
<td>Timing base</td>
<td>0.01</td>
</tr>
<tr>
<td>L</td>
<td>Timing delay mode</td>
<td>0.1h</td>
</tr>
<tr>
<td>S</td>
<td>Setting value range</td>
<td>000</td>
</tr>
</tbody>
</table>

7. Time delay setting and parameter setting flow chart

8. Precautions for use

   - The instrument working power must be consistent with the identification on the instrument panel ( ), otherwise the meter will not work properly and even burn the instrument.
   - When the power is disconnected, the interval time should be more than 1 second.
   - In order to ensure the normal use of the instrument, avoid the use of corrosive, flammable, explosive and wet conditions.
   - To use clear/reset function in strong electric field environment, please use shield wire.
   - After the hardware/software upgrade, please refer to the latest version.