More advanced Timers for new control panels

H3DT Solid-state Timers

- Low power consumption
- Push-in plus technology for easy wiring
- Certified for safety standards globally

industrial.omron.eu/h3dt
Development in technology and quality over 80 years

Now the H3DT series of Timers are available with new advanced concepts
It’s been 80 years since the production of our first product: an X-Ray Timer. They provide more value to the customer while leading control panels to a new stage.

- Half power consumption*1
- At least 3 times life expectancy *2
- Operating temperature of 60°C

*1. Comparison with previous Omron Timer (excluding the H3DT-H).
*2. Comparison with previous Omron Timer under adverse conditions.

New value for control panels
Control Panels: The Heart of Manufacturing Sites. Evolution in control panels results in large evolution in production facilities. And if control panel design, control panel manufacturing processes, and human interaction with them are innovated, control panel manufacturing becomes simpler and takes a leap forward. We will continue to achieve a control panel evolution and process innovation through many undertakings starting with the shared Value Design for Panel concept for the specifications of products used in control panels.

Our shared Value Design for Panel (herein after referred to as “Value Design”) concept for the specifications of products used in control panels will create new value to our customer’s control panels. Combining multiple products that share the Value Design concept will further increase the value provided to control panels.
The top class in Industry(*1) for lower power consumption
Power consumption is low, which reduces the DC power supply load for the entire control panel.

The expected service life is more than THREE times*3
Reduces the work and cost involved in replacement and other maintenance.

Fast wiring via push-in plus technology
Just insert the wires – no tools required. Do all your wiring in less than half the time needed with screw type terminal type.

Greatly reduce wiring with push-in plus technology
Conventional screw technology
Push-in plus technology
Reduction of approx. 60%*1
* Information for Push-in plus and screw terminals is based on our actual measurement value data.

No retightening required
Retightening screws is often necessary for screw terminals, but with Push-in plus, there is no (re) tightening.

Easy to insert
Our push-in plus technology is as easy as inserting to an earphone jack – reducing your work load and improving wiring quality at the same time.

Held Firmly in Place
Even though less insertion force is required, the wires are held firmly in place. The advanced mechanism design technology and manufacturing technology produced a spring that ensures better workability and reliability.

Certified for safety standards globally
The Timers help to reduce the work involved in control panel design with certifications and compliance for various standards, including UL Listing.
# Ordering information

<table>
<thead>
<tr>
<th>Type</th>
<th>Supply voltage</th>
<th>Operating modes</th>
<th>Terminal block</th>
<th>Input type</th>
<th>Control output</th>
<th>Time range</th>
<th>Order code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-range, multi-mode standard timer</td>
<td>24 to 240 VAC/DC</td>
<td>A2 : ON Delay (Power ON Delay) B1 : Flicker OFF Start (Power ON Start) B4 : Flicker ON Start (Power ON Start) D : Signal OFF Delay E2 : Interval (Power ON Start) E3 : Signal OFF Interval F2 : Cumulative (ON Delay) F3 : Cumulative (Interval)</td>
<td>10 terminals</td>
<td>Voltage input</td>
<td>Relay, DPDT</td>
<td>0.1 s to 1,200 h</td>
<td>H3DT-N2</td>
</tr>
<tr>
<td>Multi-range, multi-mode expansion timer</td>
<td>24 to 240 VAC/DC</td>
<td>A : ON Delay (Signal ON Delay) B : Flicker OFF Start (Signal Start) B2 : Flicker ON Start (Signal Start) C : Signal ON/OFF Delay E : Interval (Signal Start) G : Signal ON/OFF Delay J : One-shot Output (Signal Start) J2 : One-shot Output (Power ON Start)</td>
<td>10 terminals</td>
<td>-</td>
<td>Relay, DPDT</td>
<td>0.1 s to 1,200 h</td>
<td>H3DT-L2</td>
</tr>
<tr>
<td>Power ON-delay timer</td>
<td>24 to 240 VAC/DC</td>
<td>Power ON-delay</td>
<td>8 terminals</td>
<td>-</td>
<td>Relay, DPDT</td>
<td>0.1 s to 1,200 h</td>
<td>H3DT-A2</td>
</tr>
<tr>
<td>Twin timer</td>
<td>24 to 240 VAC/DC</td>
<td>Flicker start/flicker ON start</td>
<td>6 terminals</td>
<td>-</td>
<td>Relay, SPDT</td>
<td>0.1 s to 1,200 h</td>
<td>H3DT-F</td>
</tr>
<tr>
<td>Star-delta timer</td>
<td>24 to 240 VAC/DC</td>
<td>Star-delta</td>
<td>8 terminals</td>
<td>-</td>
<td>Relay, Time-limit Star circuit, SPDT Delta circuit, SPDT</td>
<td>1 to 120 s*1</td>
<td>H3DT-G</td>
</tr>
<tr>
<td>Power OFF-delay timer</td>
<td>100 to 120 VAC 200 to 240 VAC 24 to 48 VAC/DC 100 to 120 VAC 200 to 240 VAC 24 to 48 VAC/DC</td>
<td>Power-OFF delay</td>
<td>6 terminals</td>
<td>-</td>
<td>Relay, SPDT</td>
<td>0.1 to 12 s (H3DT-HCS) H3DT-HDS H3DT-HBS</td>
<td>1 to 120 s H3DT-HCL H3DT-HDL H3DT-HBL</td>
</tr>
</tbody>
</table>

*1 Star set time (t1) range: Star-Delta transfer time (t2): Select from 0.05, 0.1, 0.25, or 0.5 s

Would you like to know more?

OMRON EUROPE

📞 +31 (0) 23 568 13 00
✉️ industrial.omron.eu
🔗 omron.me/socialmedia_eu