



OMRON

IA DIVISION BROADCAST

INDUSTRIAL AUTOMATION NEWS & INFORMATION

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Omron Expands H3DS, Space-Saving 17.5 mm-Wide, Analog Set, Solid-State Timer Line to Include Twin-Timer, Star-Delta and Two-Wire ON-Delay Models

Omron has extended its line of slim, space-saving H3DS 17.5 mm analog set, solid-state timers with

- Twin Timer (H3DS-F)
- Star-Delta (H3DS-G)
- Two-Wire ON-Delay (H3DS-X) versions

The new timers are ideal for space-restricted, DIN rail mount applications. They meet the European DIN 43880 standard for OEMs and panel builders who sell to Europe. The new Cage Clamp terminal models are an up-and-coming trend in the European market, so you can show Omron at the forefront of design. Most US sales will be the screw terminal versions. These new timers join the existing H3DS models:

- 8-function timer (H3DS-ML)
- 4-function timer (H3DS-SL)
- Single-function timer (H3DS-AL)



Key Features and Benefits

- First in the market with Front Locking Device and Lock Key to protect against unauthorized setting changes
- Ideal for space-restricted panel applications
- Analog dial setting makes setup easy
- Meets 17.5 mm wide European size requirements
- Wide power supply range 24 to 230 VAC/24 to 48 VDC
- 24 to 230 VAC/VDC on Two-Wire models
- Independent ON and OFF time setting on Twin Timer
- Cage Clamp terminal models, a popular trend in Europe, help to reduce wiring time
- Competitively priced
- UL, CSA and CE approved

Selling Information

List Pricing

New models are shown in **bold**. The cage clamp terminal models are available on special order, but will not be stocked. We will work to accommodate special market needs when a customer requests non-stocked items.

Part Number	Description	List Price	Stock	Discount Code
H3DS-ML AC24-230/DC24-48	17.5mm, 8 function timer	\$43.00	Yes	MS
H3DS-SL AC24-230/DC24-48	17.5mm, 4 function timer	\$33.00	Yes	MS
H3DS-AL AC24-230/DC24-48	17.5mm, Single function timer	\$31.00	Yes	MS
H3DS-FL AC24-230/DC24-48	17.5mm, Twin timer	\$51.00	Yes	MS
H3DS-GLAC24-230/DC24-48	17.5mm, Star-Delta timer	\$51.00	No	MS
H3DS-XL AC/DC24-230	17.5mm, Two-Wire timer	\$31.00	No	MS
H3DS-MLC AC24-230/DC24-48	17.5mm, 8 function timer, Cage Clamp	\$44.00	No	MS
H3DS-SLC AC24-230/DC24-48	17.5mm, 4 function timer, Cage Clamp	\$34.00	No	MS
H3DS-ALC AC24-230/DC24-48	17.5mm, Single function timer, Cage Clamp	\$32.00	No	MS
H3DS-FLC AC24-230/DC24-48	17.5mm, Twin timer, Cage Clamp	\$52.00	No	MS
H3DS-GLC AC24-230/DC24-48	17.5mm, Star-Delta timer, Cage Clamp	\$52.00	No	MS
H3DS-XLC AC/DC24-230	17.5mm, Two-Wire Timer, Cage Clamp	\$32.00	No	MS

Demo Kits

Each region will receive a number of demo kits free of charge. The demo kits feature the cage clamp terminal types to show Omron is up-to-date with the latest panel design trends in Europe. However, OEI will stock only the screw terminal versions because that style represents the bulk of off-the-shelf sales. The cage clamp terminal models are available on special order for customers who prefer this wiring approach.

Support Literature

The following data sheets are available in pdf form in the Knowledge Center on Omron's website, www.omron.com/oei.

Part Number	Description
L098F-E3-1	H3DS-F Data Sheet, Twin Timer
L098G-E3-1	H3DS-G Data Sheet, Star-Delta Timer
L098X-E3-1	H3DS-X Data sheet, Two-Wire Timer

Target Markets/Applications

The compact size and DIN rail mounting makes these timers ideal for any space restricted application. However, they are primarily designed for use in machines and control panels that are being shipped to Europe because they conform to Europe's DIN 43880 standard.

Use the H3DS in 24-hour factories where settings need protection as employee shift-changes take place. This is where the front locking device can be put to use, so unauthorized personnel cannot accidentally change or tamper with the timer settings.

Omron historically receives requests from customers wanting a fixed-time timer. Before H3DS, we solved this problem by gluing the front of the timer. Now we have a professional solution and the timer can still be adjusted to new settings as the application changes.

Competition

Crouzet offers a similar slim timer, but it does not provide the settings lock feature. The H3DS can prevent unauthorized changes, and, in this period of increased concern over tampering, this feature becomes a major selling point.

Manufacturer	Omron	Saia	Crouzet	Allen Bradley
Model	H3DS	KOL	MUR3	700-FE
Appearance				
Number of Modes	8	4	10	4
Number of Time Ranges	7	6	7	6
Time Range	0.1s to 120h	0.05s to 10h	0.1s to 100h	0.05s to 10h
Supply Voltage	24-230 VAC/ 24-48 VDC	24-240 VAC/ 24-48 VDC	12 - 240 VAC/VDC	24-240 VAC/ 24-48 VDC
List Price	\$34.00	\$38.00	\$58.00 - \$74.00	--

Sales Strategy

Look for OEMs who are shipping machines to Europe as good targets for these new products. Domestic OEMs and end users who have a need to overcome space-confined applications are also good targets for these new timers.

Product Positioning

Omron offers two analog-set timer families targeted at European control panel designs: the new 17.5 mm wide H3DS and the 22.5 mm wide H3DE. Both conform to CE, offering finger protective terminals and meeting the EMI and EMR guidelines. However, new H3DS meets the latest directive for close spacing of industrial controls in control panels. Our unique approach to protecting settings with a key lock makes H3DS the best timer choice for tamper-proof panels.

