

H3DS 17.5mm Timers

First in the world with a smart locking function

Only for authorised people



H3DS Timers

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You always carefully configure your timer applications so that they exactly perform the function time you need, in precisely the time ranges and time settings you define. Because in many cases even the slightest deviations from the proper values could be harmful, as could inadvertent or unauthorized setting changes.

TOTAL UNIVERSALITY

- multi-voltage
- multi-range
- multi-function

your advantages

- always the right timer available
- stock reduction
- shorten lead time
- less types to handle
- higher frequency of stock rotation



And these functions are indeed extensive. No other timer on the market comprises in one single, compact unit so many options. Each of the three H3DS models supports all common supply voltages and covers a wide selection of time ranges. Two of the models also offer a variety of time functions. Naturally, two LED's indicate the status of the power supply (green) and the output relay (orange). To save wiring time, the terminals are delivered in open position. The terminals can accept multiple wiring. With all these advantages, the H3DS is the ultimate 17.5mm timer.

Functions such as these need protection from inadvertent changes - and at the same time must be accessible for authorized adaptations. Now you can achieve this with the unique key, it's just a matter of selectively unlocking, repositioning the proper selectors, and selectively locking again.

Inevitably, more people have physical access to your 'hardware components' than those entitled to configure them. That's why, up till now, in many cases you've been gluing the settings of your timers. At the same time knowing that qualified personnel will also be irreversibly blocked from adapting configurations. Or you've tried other solutions, with similar drawbacks or risks. Anyway, you've been forced to choose the least of all evils.

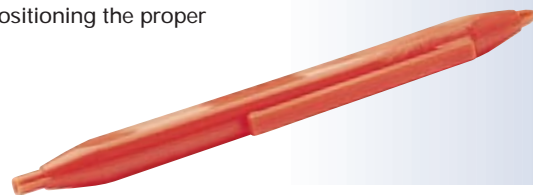
But now you can have the best of all worlds. OMRON's new H3DS timer series presents you with a safety solution as simple as it is effective. Each of the three available models is not only an attractive, extremely versatile piece of hardware with respect to its functional applicability, but also contains a unique locking system. Elegantly integrated in the slim, DIN 17.5mm housing, the locking mechanism covers the possibility to change the settings. One unique, pen-like tool, presents the exclusive key to operating of the locking mechanism and thus gives access to any of the vital setting functions.

THE UNIQUE KEY

- to lock or unlock the timer settings
- specially designed for the H3DS locking mechanism
- to block the settings you desire

special advantages

- special shape, no other tools can unlock the settings
- prevents unauthorized changing of your settings
- one side a lock key, the other side a screw driver



The new H3DS timer series: again excellent proof that OMRON cares about your needs.

The ultimate 17.5mm timers

MULTI-VOLTAGE

- 24-230VAC and 24-48VDC in one model
- covers all standard voltages
- input voltage applied on two terminals

your advantages

- less types
- no chance of wrong wiring
- always the right version available

MULTI-RANGE

- from 0.10s to 120h
- in 7 selectable ranges
- when setting is '0' in any time scale the output switches instantaneously

your advantages

- accurate setting in the desired range
- easy to perform functionality test

MULTI-FUNCTION

- ML 8 operations modes
- SL 4 operations modes

your advantages

- universal timer for many applications
- reduction of models

LARGE SWITCHING CAPACITY

- 5 Amp/250VAC
- change over contact
- no cadmium used

your advantages

- covers all main industrial applications
- environment friendly

ACCORDING TO DIN-NORMS

- according to DIN 43880 standards
- 17,5mm wide modular 45mm
- DIN-rail mounting

standardisation benefits

- space saving
- all wirings terminals standard in open position
- fits in modular 45mm housings

UNIQUE LOCKING FUNCTION

seperate locking of:

- time-setting
- time ranges
- timer function

safety in all cases

- no unauthorised changes
- special locking pen for locking/unlocking

CONFIRMS TO ALL STANDARDS

- CE marking
- EN-61812-1 + IEC60664-1 4kV/2
- EN50081-1 + EN50082-2
- UL/CSA approval

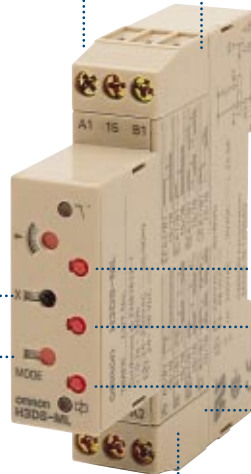
compliance with all European norms





- standardised terminal numbers
- all important norms are covered

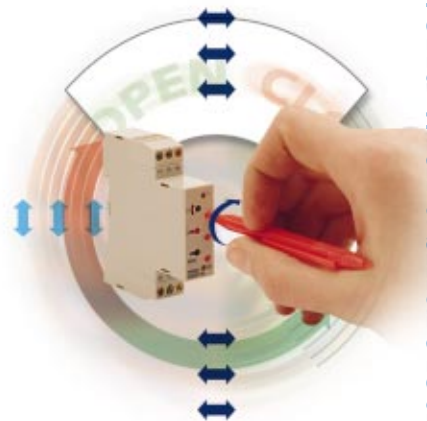
VERY WIDE APPLICATION AREA

the most versatile standard Timer for:

- panelbuilders
- machinebuilders
- installers
- packaging
- food and beverage
- end-user markets



MODEL	H3DS-ML	H3DS-SL	H3DS-AL	Y92S-38
				
Rated supply voltage	24 to 230VAC (50/60Hz)/24 to 48VDC			pen-type tool for Smart lock mechanism one side a lock key, the other side a screw driver must be ordered separately
Time ranges	0.1s to 120h, 7 selectable range			
Operating mode	A : ON-delay	A : ON-delay	A : ON-delay	
	B : flicker OFF start	B2: flicker ON start		
	B2: flicker ON start	E : interval		
	C : signal ON/OFF-delay	J : one shot		
	D : signal OFF-delay			
	E : interval			
	G : signal ON/OFF-delay			
J : one shot				
Control output	Contact output: time-limit output SPDT, 5A/250VAC			
Input type	Voltage	No input available		
External connections	Screw terminals			
Approved standards	UL508, CSA 22.2 No.14, CE EN61812-1 and IEC60664-1 4kV/2 (compliance provides more safety in application) EN50081-1 and EN50082-2 (compliance allows application in any locations subject to EMC)			



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