

Industrial Timers

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Product Line	H3DK	H3CR	H3CA	H5CX-N
Selling Tips	<ul style="list-style-type: none"> Multi-functional analog timer has 22.5mm width allowing for space efficient control panel design Manage a wide variety of tasks using 8 mode timer with supply voltage of 24-240 VAC/VDC Convenient DPDT models are easily converted to time-limit SPDT and instantaneous SPDT outputs using screwdriver Finger-safe terminal blocks meet EN 50274 Standard 	<ul style="list-style-type: none"> Multi-function analog timer with select models having 6 operating modes covering a wide variety of applications Manage two circuits and up to 5 A current at 250 VAC with DPDT output models Short panel mounting depth of 80mm with socket allows for space efficient control panel design (H3CR-A, H3CR-F) Time ranges are easily changed with front panel field selectable settings Choice of no-voltage NPN or voltage input PNP models 	<ul style="list-style-type: none"> Digital timer with select models having 8 operating modes and supply voltage of 24-240 VAC/12-240 VDC ideal for managing a wide variety of applications LCD display features a bar graph showing percentage of time remaining plus output status Reliable operation having repeat accuracy of + or - 0.3% of range, + or - 0.05 seconds Time range of 0.1 second to 9,990 hours 	<ul style="list-style-type: none"> Digital timer with select models having 15 operating modes covering a wide variety of applications Wide viewing angle and 10-12 mm high character height allow for easy viewing of Present Value Present Value display comes in red, orange, and green colors and can be programmed to change color when a key condition is met Ultra short body depth of 59 mm for screw terminal 24 VAC types great for space constrained panels Universal NPN/PNP input
Model Types	Multi-mode H3DK-M (8 modes), Multi-mode H3DK-S (4 modes), Twin H3DK-F, Star-delta H3DK-G, Power OFF-delay H3DK-H	Multi-mode H3CR-A (2-6 modes), Twin H3CR-F, Star-Delta H3CR-G, Power OFF-delay H3CR-H	Multi-mode H3CA-A (8 modes) Multi-mode H3CA-FA (8 modes), ON-delay H3CA-8, H3CA-8H	Multi-mode H5CX-A (15 modes), Multi-mode H5CX-L (6 modes), Signal ON-delay Cumulative H5CX-B
Operating Functions For Multi-Mode Timer Models	ON-delay, Flicker OFF Start, Flicker ON Start, Signal ON/OFF-delay I, Signal OFF-delay, Interval, Signal ON/OFF-delay II, One-shot	ON-delay, Flicker OFF Start, Flicker ON Start, Signal ON/OFF-delay, Signal OFF-delay, Interval, Signal ON/OFF-delay, One-shot	ON-delay, Repeat cycle, Signal Interval/OFF-delay, Signal ON/OFF-delay, Signal OFF-delay I, Signal OFF-delay II, Interval, and Cycle	Signal ON-delay I, Signal ON-delay II, Power ON-delay I, Power Delay II, Repeat cycle I, Repeat Cycle II, Signal OFF-delay, Interval, Cumulative, ON/OFF duty, Stopwatch, Flicker OFF Start I, Flicker ON Start I, Flicker OFF Start II, Flicker ON Start II
Size (H x W in mm)	79 x 22.5	48 x 48 (1/16 DIN)	H3CA-A: 48 x 48; H3CA-FA: 75 x 48	48 x 48 (1/16 DIN)
Control Outputs	Relay SPDT/DPDT, 5 A at 250 VAC	Relay SPDT/DPDT, 5 A at 250 VAC (SPST-NO for Star-Delta) Transistor NPN/PNP, 100 mA at 30 VDC (H3CR-A)	Relay SPDT/DPDT, 3 A at 250 VAC Minimum Load 10 mA at 5 VDC	Relay SPDT, 5 A at 250 VAC Transistor NPN, 100 mA at 30 VDC
Timing Range	0.1 s to 1200 h	0.1s to 600h (H3CRA-A-301 model)	0.1 s to 9,990 h	0.001 s to 9999 h
Mounting	DIN	Panel and Socket	DIN, Panel, and Socket	Panel and Socket
Popular Part Number	H3DK-M2 AC/DC24-240 H3DK-S1 AC/DC24-240	H3CR-A8 AC100-240/DC100-125 H3CR-A AC100-240/DC100-125	H3CA-A, H3CA-8-AC100/110/120	H5CX-AD-N AC24/DC12-24 H5CX-A-N AC100-240

Industrial Counters

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Product Line	H7ET Timer Totalizer	H7EC Count Totalizer	H7BX	H7CX-N
Selling Tips	<ul style="list-style-type: none"> Battery operated models eliminate need for using power supply Compact 1/32 D⁹e units: seconds/minutes or hours/days-hours Convenient choice of count input with PNP/NPN, AC/DC multi-voltage, or no voltage input Front panel has NEMA 4 and IP66 protection rating 	<ul style="list-style-type: none"> Battery operated models eliminate need for using power supply Compact 1/32 DIN size ideal for use in tight spaces Backlit models available ideal for reading display in poorly lit environments Easily change input speed by using switch select models with choice of 30 Hz or 1 kHz Convenient choice of count input with PNP/NPN, AC/DC multi-voltage, or no voltage input Front panel has NEMA 4 and IP66 protection rating 	<ul style="list-style-type: none"> Multi-function digital counter with select models having 6 counting modes for managing a variety of tasks Easy to read display with 13.5 mm Present Value and 9 mm character height for Set Value Present Value display comes in red or green colors and can be programmed to change color when a key condition is met Counter display settings are easily retrieved during power outage thanks to EEPROM memory backup feature Counting methods include up, down, and 3 forms of up/down 	<ul style="list-style-type: none"> Multi-function digital counter with select models having 7 counting modes for managing a variety of tasks Wide viewing angle and 10-12 mm high character height allow for easy viewing of Present Value Present Value display comes in red, orange, and green colors and can be programmed to change color when a key condition is met Set value limit key allows user to stop counting once set value is met helpful in preventing overflow 59 mm body depth for screw terminal 12-24 VDC types ideal for space constrained panels
Display Type	7 digit LCD Character height 8.6mm Backlight models available	8 digit LCD Character height 8.6mm Backlight models available	6 digit 7-segment negative transmissive LCD Character height 13.5 mm Set Value character height 9 mm	4 or 6 digit 7-segment negative transmissive LCD Character height 12 mm 4 digit type Character height 10 mm 6 digit type
Model Type	PNP/NPN input H7ET-NV, AC/DC input H7ET-NFV, No voltage input H7ET-N	PNP/NPN input H7EC-NV, AC/DC input H7EC-NFV, No voltage input H7EC-N	Multi-mode H7BX-AW, Total and preset counter H7BX-A/AD1	Multi-mode H7CX-A4W, Total and preset counter H7CX-A/A1/A4, Tachometer 1-stage H7CX-R, Tachometer 2-stage H7CX-AU/AW
Counting functions	Time	Total	1-stage preset, 2-stage, preset, Total and preset, Batch, Dual, Tachometer	1-stage preset, 2-stage, preset, Total and preset, Batch, Dual, Twin, Tachometer
Size (H x W in mm)	24 x 48 (1/32 DIN)	24 x 48 (1/32 DIN)	72 x 72	48 x 48 (1/16 DIN)
Control Outputs	N/A	N/A	Relay SPDT, 3 A at 250 VAC Transistor NPN, 100 mA at 30 VDC 1-stage	Relay SPDT, 3 A at 250 VAC Transistor NPN, 100 mA at 30 VDC 1-stage (see datasheet for 2-stage outputs)
Character Range	999999.9h to 3999d23.9h 999h59min59s to 9999h59.9min	0 to 99999999	-99999 to 999999	6 digit models -99999 to 999999 4 digit models -999 to 9999
Mounting	Panel	Panel	Panel, DIN, or Surface	Panel, DIN, or Surface
Popular Part No.	H7ET-N-B H7ET-NFV-B	H7EC-N-B H7EC-NV-B	H7BX-AW AC100-240 H7BX-A AC100-240	H7CX-A-N AC100-240 H7CX-AW-N AC100-240