

Timers & Counters

Timer



- Five wide ranges to choose from
- Wide-range AC or DC supply voltages
- Elapsed time (UP) or time remaining (DOWN) display available
- Selectable no-voltage reset and gate inputs expand capabilities
- Memory protection circuit available on

AC/DC models; order back-up battery separately from accessories

- Easy-to-read 8 mm-high LED display
- Panel mounting adapter, sockets, and accessories may be ordered separately



Detailed product specifications are available on: us.100y.com.tw

Specifications

Supply voltage	AC	24 V, 100 to 240 V; 50/60 Hz
	DC	12 to 48 V (permissible ripple factor; 20% max.)
Operating voltage	85 to 110% of the rated voltage	
Power consumption	AC	12 VA at 240 VAC, 50/60 Hz
	DC	2.5 W at 48 VDC
Timing functions	ON-delay with elapsed time display	
Repeat accuracy	±0.01% ±0.05 sec max. (power-ON start); ±0.005% ±0.03 sec max. (Reset start)	
Setting error	See "Repeat accuracy"	
Resetting system	Power-OFF and external reset	
Resetting time	Power OFF: 0.5 sec min.; External reset: 0.02 sec signal min.	
Indicators	Time UP (red LED), 8 mm LED numeric display	
Materials	Plastic	
Mounting	Panel, track, surface	
Connections	8-pin round socket	
Weight	150 g (5.31 oz.)	
Approvals	UL/CSA/SEV	
Operating ambient temperature	-10° to 55°C (14° to 131°F)	
Humidity	35 to 85% RH	

Part No.	Product No.	Manufacturer	Description	Ctrl Time	(V)	Overload A/Vac
31026	H5CN-XCN	OMRON	H5CN Digital Timer	1s to 99min 59s	100~240VAC	250VAC/3A



- 11-field selectable timing modes for a wide variety of applications
- Twin-timer function included in one unit to meet a wide range of cyclic control applications
- Programmable display color to alert any output status change
- All parameters can be set via front membrane keys or DIP switches
- PNP/NPN selectable input
- Wide time range from 0.001 second to 9999 hours
- Key protect function
- NEMA4/IP66 front



Part No.	Product No.	Manufacturer	Description	Ctrl Time	(V)	Overload A/Vac
28740	H5CX-AD	OMRON	H5CX Digital Timer	0.001s TO 9999h	12~24VDC	24VAC
41369	H5CX-ASD	OMRON	H5CX Digital Timer	0.001~9999h	12~24VDC	24VAC
23840	H5CX-L8	OMRON	H5CX Digital Timer	0.001s TO 9999h	100~240VAC	100VAC

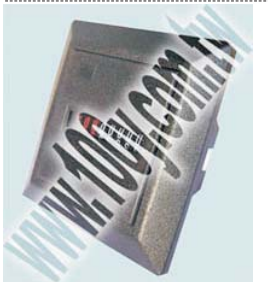


- Nine field-selectable output modes accommodate a wide variety of applications
- All parameters set by scrollthrough menus accessed from the front panel
- Field-selectable time ranges from 0.001 second to 9999 hours
- High-visibility alphanumeric LCD display has 8 mm high characters and built-in backlight
- Precision control possible to 0.001 second
- Four levels of key protection provided
- 10-year battery back-up
- Selectable elapsed time (UP) and time remaining (DOWN) display
- Short body model H5CR-S measures just 64 mm (2.52 inches) deep



Memory function	Retains preset values for 10 years at 25° C (77° F)	
Materials	Plastic case	
Mounting	Panel or surface; Y92F-30 mounting bracket not included	
Connections	8-pin round socket	
Weight	105 g (3.7 oz.)	
Approvals	UL/CSA/SEV/CE	
Operating ambient temperature	-10° to 55°C (14° to 131°F) with no icing	
Humidity	35% to 85% RH	
Vibration	Mechanical durability	10 to 55 Hz with 0.75 mm single amplitude in 3 directions
	Malfunction durability	10 to 55 Hz with 0.5 mm single amplitude in 3 directions
Shock	Mechanical durability	30 G each in three directions
	Malfunction durability	10 G each in three directions
Insulation resistance	100 MΩ min. at 500 VDC between current-carrying terminal and exposed non-current-carrying metal parts, and between non-continuous contacts.	

Part No.	Product No.	Manufacturer	Description	Ctrl Time	(V)	Overload A/Vac
17906	H5CR-L	OMRON	H5CR Digital Timer	9.999s~9999h	100~240VAC	DC125V 0.15A



Size	110. 220VAC
Material	ABS/PC
Net weight	12
Gross weight	14

FEATURES

Type: HM-1
 Time setting range: 0~9999.99 hours
 Voltage: AC 110, 220V, 50Hz
 Dimensions: 48*48*40mm
 Suitable for houses, industrial usages and air conditioners

Part No.	Product No.	Manufacturer	Description	Ctrl Time	(V)	Overload A/Vac
50727	HM-1-110VAC	ALION	Un-restart Panel Mounting Counter	0-99,999.99 hours	110VAC	110VAC



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