NO:	**TI-21**	**PRODUCT:**	**H5CR Timers**
DATE:	**September 2003**	**TYPE:**	**Discontinuation**

H5CR Digital Timer Discontinuation and Replacement

The H5CR series of timers will be discontinued on **March 31, 2004**. The recommended replacement is the H5CX series.

Key Features & Benefits

Cost-Effective

■ The H5CX costs significantly less than the H5CR.

Improved Display

■ The H5CX display may be programmed to **change color** at alarm.
■ The H5CX display is almost as large as the H5CR display (11.5mm vs. 12mm).

Increased Functionality

■ H5CX offers greater versatility of input devices, offering either **voltage or no-voltage** input types.
■ H5CX has **more output modes.**

Simple Replacement

■ H5CX socket mounted types are pin-for-pin compatible with H5CR types.
■ The H5CX is dimensionally identical to the H5CR.

Selling Information

The H5CR series will be discontinued on March 31, 2004. The recommended replacements are from the H5CX series (see below). Please advise your major customers of the H5CR of its discontinuation in the future so that they can plan to change their current H5CR timer over to the H5CX.

H5CR/H5CX Substitution and Price Information

| Current H5CR	List Price	Recommended Replacement H5CX	List Price
H5CR-L AC100-240	$171	H5CX-L8 AC100-240	$118
H5CR-L AC24	$171	H5CX-L8D AC24/DC12-24	$118
H5CR-L DC12-24	$171		
H5CR-LS AC100-240	$171	H5CX-L8S AC100-240	$118
H5CR-LS AC24	$171	H5CX-L8SD AC24/DC12-24	$118
H5CR-LS DC12-24	$171		
H5CR-B AC100-240	$189	H5CX-A AC100-240	$139
H5CR-B AC24	$189	H5CX-AD AC24/DC12-24	$139
H5CR-BS AC100-240	$189	H5CX-AS AC100-240	$139
H5CR-S DC12-24	$177	H5CX-AD AC24/DC12-24	$139
H5CR-SS DC12-24	$177	H5CX-ASD AC24/DC12-24	$139

Literature

The H5CX information is included in the new Timer/Counter catalog. It is also available in pdf format (document L101-E3-1A) on Omron's www.knowledge.omron.com website under Timers.
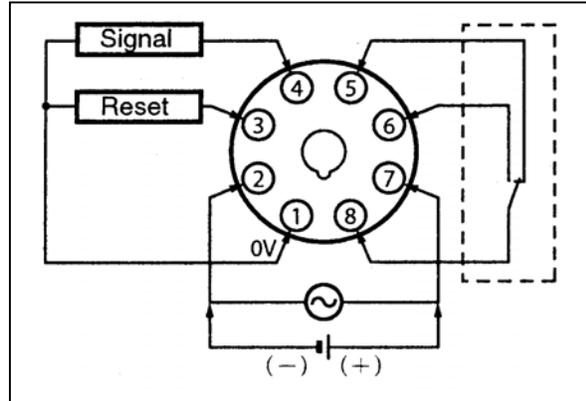
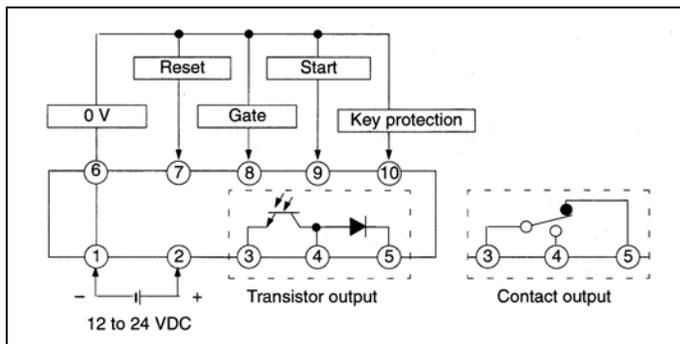# Additional Information

Terminal Arrangements

H5CR-L
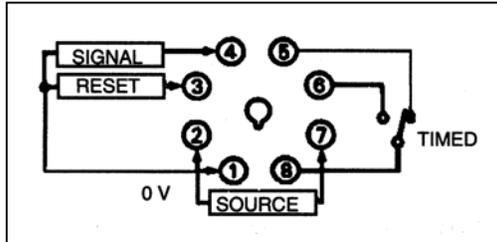
H5CX-L8

Pin-for-Pin Replacement

H5CR-S

H5CX-AD
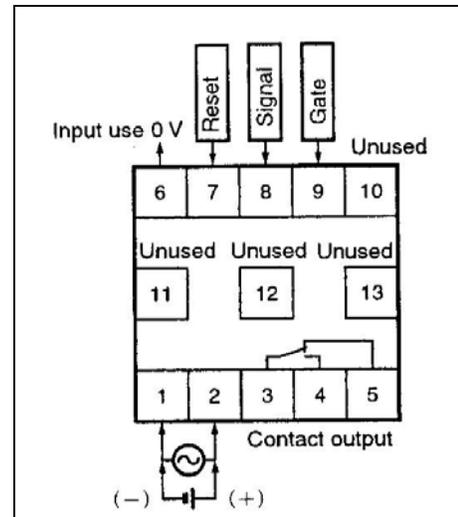
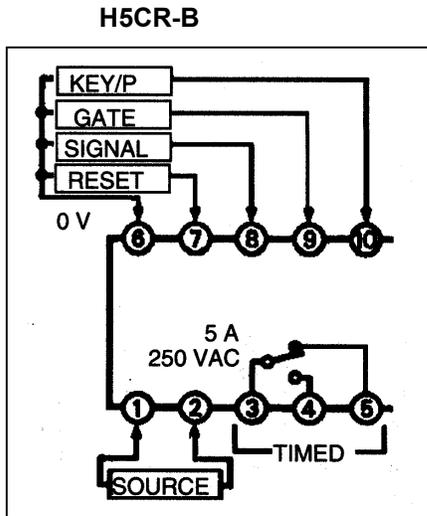No terminal for 'key protection' on H5CX,
Which is on the top of the body.
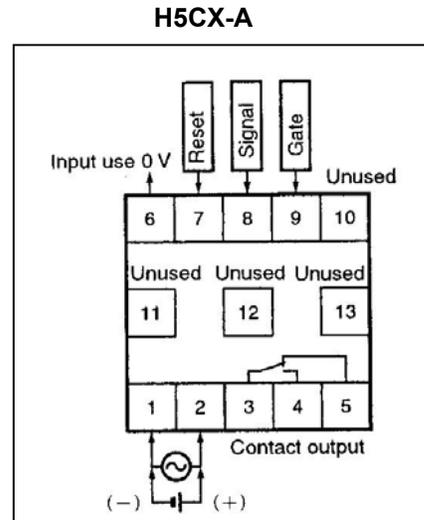
H5CR-B   **H5CX-A**

No terminal for 'key protection' on H5CX, which is on the top of the body.

Product Comparisons

Model		H5CR-B	H5CX-A
Supply voltage		AC100-240V	AC100-240V
		DC12-24V	AC24V/DC12-24V
Input signal		No-voltage signal	No-voltage/voltage signal selection
Output modes		A, B, D, E & F	A, B, D, E, F & Z
Timing ranges		0.001s to 9999h	0.001s to 9999h
On-board power supply		None	None
Character height	(PV)	8 mm	11.5 mm (red/green)
	(SP)	4 mm	6 mm (green)

Model	H5CR-B	H5CX-A
Appearance		
Display (PV)	4 digits, backlit LCD 8 mm high	4-digits, red/green backlit LCD 11.5 mm high
Power (AC)	AC100-240V	AC100-240V
Power (DC)	DC12-24V	AC24V/DC12-24V
Input signals	Start, Gate, Reset, Key protect.	Start, Gate, Reset
Signal input	No-voltage	No-voltage or voltage (selectable)
Timer modes	Up or Down (selectable)	Up or Down (selectable)
Time ranges	0.001s to 9999h (10 ranges)	0.001s to 9999h (10 ranges)
Output modes	A, B, D, E and F	A, B, D, E, F and Z
One-shot	0.1s, 0.5s, 1s, 5s, 10s, 15s, 20s	0.01s to 99.99s variable
Outputs	5A Relay or Transistor	5A Relay or Transistor
Approvals	UL, CSA, CE, IP54	UL508, CSA, CE, NEMA4, NEMA B300
List Price	$177-$189	$118-$146

Phase In/Phase Out Strategy

Stock levels of the H5CR series will be gradually reduced as the demand decreases, they will be set to zero sometime before the discontinuation date of **March 31, 2004**.
Prior to the discontinuation date, the stock levels of the replacement H5CX models will be raised to reflect the heightened demand.