



Discontinued: Keep type  
Last time buy: August 31, 2012



# Panasonic

ideas for life

Relay for control panel of  
1A to 10A (1c/2c/3c/4c)

## HC RELAYS



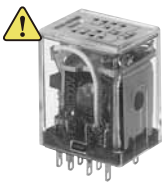
Standard type



Amber sealed type



With CR circuit type



Keep relay



With diode type

### FEATURES

1. Standard type, Amber sealed type and **Keep type** ⚠
2. Rich lineup includes relays with operating indication, with diode and with CR circuit
3. Full range of types  
Plug-in type, PC board type and TM type
4. Sockets and terminal sockets are available.

### TYPICAL APPLICATIONS

1. Factory automation equipment and automotive devices
2. Control panels, power supply equipment, molding equipment, machine tools, welding equipment, agricultural equipment, etc.
3. Office equipment, automatic vending machines, telecommunications equipment, disaster prevention equipment, copiers, measuring devices, medical equipment, amusement devices, etc.
4. All types of household appliance

RoHS compliant

## ORDERING INFORMATION

HC  -  -  -  -  -

#### Contact arrangement

- 1: 1 Form C
- 2: 2 Form C
- 3: 3 Form C
- 4: 4 Form C
- 4D: Bifurcated contact (twin)

Nil: Standard type

E: Amber sealed type (Only 1 Form C and 2 Form C)

ED: Amber sealed type bifurcated contact (twin) (Only 4 Form C)

**⚠ K: Keep type**

#### Terminal arrangement

- H: Plug-in type
- HL: Plug-in with LED indication
- L: Plug-in with LED indication (Amber sealed type)
- HP: PC board type
- PL: PC board with LED indication
- HPL: PC board with LED indication (Amber sealed type)
- HTM: TM type

#### Nominal coil voltage

AC 6, 12, 24, 48, 100 (100/110), 120 (110/120), 200 (200/220), 240 (220/240) V

DC 6, 12, 24, 48, 100 (100/110) V

#### Surge suppression

D: With diode R: With CR circuit





#### Contact material

Contact arrangement	Contact material	
	AgSnO <sub>2</sub> type	AgNi type
1 Form C	F	
2 Form C	F	
3 Form C	F	
4 Form C		Nil
4-pole bifurcated (twin)		Nil

Notes: Certified by UL and CSA (except for keep type)

Please consult us about VDE (1 Form C, 2 Form C, and 4 Form C only) and TV-3 (1 Form C and 2 Form C only) approved products.

**LINEUP**

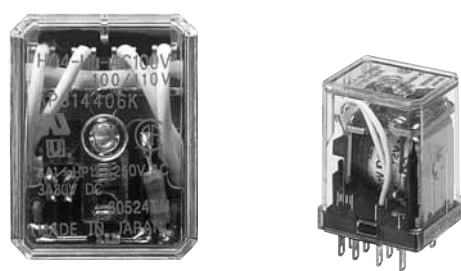
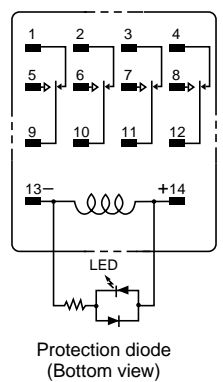
Type	Contact arrangement							Remarks
			Plug-in terminal type		PC board terminal type			
			Without LED	With LED	Without LED	With LED		
HC relay Standard type	Single side stable	1 Form C	A	A	A	A	A	
		2 Form C	A	A	A	A	A	
		3 Form C	A	A	A	A	A	
		4 Form C	A	A	A	A	A	
	Bifurcated (Twin)	4 Form C	A	A	A	A	A	
HC relay Amber sealed type	Single side stable	1 Form C	A	A	A	A	A	
		2 Form C	A	A	A	A	A	
		4 Form C	A	A	A	A	A	
	Bifurcated (Twin)	4 Form C	A	A	A	A	A	
 HC keep (latching) relay	Single side stable	2 Form C	A (With operating indication)	—	A (With operating indication)	—	—	
DC type with surge absorbing diode	Single side stable	1 Form C	A	A	—	—	—	Amber sealed type also available
		2 Form C	A	A	—	—	—	
		3 Form C	A	A	—	—	—	
		4 Form C	A	A	—	—	—	
	Bifurcated (Twin)	4 Form C	A	A	—	—	—	
AC type with surge absorbing CR circuit	Single side stable	1 Form C	A	A	—	—	—	17 mm higher than standard type
		2 Form C	A	A	—	—	—	
		3 Form C	A	A	—	—	—	
		4 Form C	A	A	—	—	—	
	Bifurcated (Twin)	4 Form C	A	A	—	—	—	

A: Available  
 Notes: 1. HC relays with ground terminals also available.  
 2. HC relays with 0.9 mm wide PC board terminals also available.

**HC RELAY CONTACT ARRANGEMENT**

Type	Single side stable contact	4-pole bifurcated (twin) contact
Part number	HC□	HC4D
Features	Suitable for high-capacity load switching Standard type HC relays have high single-contact capacity; 1 Form C: 10 A 2 Form C and 3 Form C: 7 A 4 Form C: 5 A	Bifurcated (twin) contact ensures high contact reliability Suitable for low level loads Minimum switching capability: 100 μA 100m V DC (reference value)

**LED INDICATION TYPE**

Type	With LED indication type	
Part number	HC□-HL	
Features	LED lights up when relay is operating Inspection and detection of trouble is easy. LEDs are green for DC types and red for AC types. All types are available with LED indication.	 <p>• LED colors indicate the type of relay:                      red for AC type and green for DC type.</p>  <p>Protection diode (Bottom view)</p>