

Discontinuation Notice of open-circuit time delay relay RD2P-30

Product Discontinuation

Open-circuit time delay relay



Model RD2P-30

Recommended Replacement

Power OFF-delay Timer



Model H3CR-H8RL

Discontinuation date : The end of March, 2013

Caution on recommended replacement

- The socket will be change from PF083A to P2CF-08.
- The terminal arrangement will be change.
- The time range setting becomes variable from fixed setting.
- The external connected circuit will be change.

The switch for resets will be change from "b contact" to "a contact".

In case of "a contact", the situation that the contact is deteriorated and cannot suspend is also considered by the secular change.

The external relay will be added when the magnet contactor is turned off directly irrespective of the timer operation by the switch "a contact" for resets.

When the magnet contactor is turned off directly irrespective of timer operation by the switch "b contact", the switch for reset uses a push-button switch for the emergency stop of 1a1b contact configuration, furthermore, the external relay will be added.

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
H3CR-H8RL	--	--	--	*	--	--	--

** : Fully compatible

* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

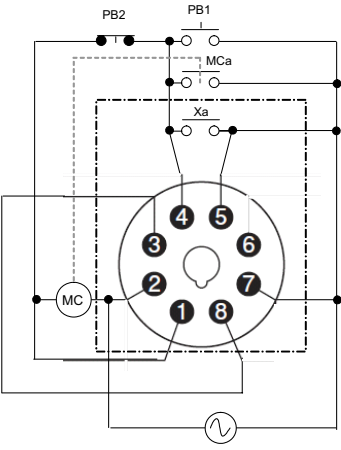
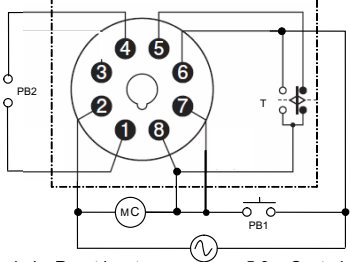
Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
RD2P-30 AC110 3S	H3CR-H8RL AC100/110/120 S
RD2P-30 AC110 5S	H3CR-H8RL AC100/110/120 S
RD2P-30 AC120 3S	H3CR-H8RL AC100/110/120 S
RD2P-30 AC220 3S	H3CR-H8RL AC200/220/240 S
RD2P-30 AC100 5S.	H3CR-H8RL AC100/110/120 S

Body color

Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL
<p>Gray</p> 	<p>Ivory</p> 

Wire connection

Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL
<p>Wire connection of auto restart relay for voltage dip</p> <p>Connection diagram</p>  <p>1, 2 Set and Reset input 2, 7 Power supply input 3, 8 Test terminals 4, 5 Control output (Relay "a contact") 6 NC</p>	<p>Connection diagram 1</p>  <p>1, 4 Reset input 2, 7 Power supply input 3 NC 5, 6 Control output (Relay "b contact") 6, 8 Control output (Relay "a contact")</p>

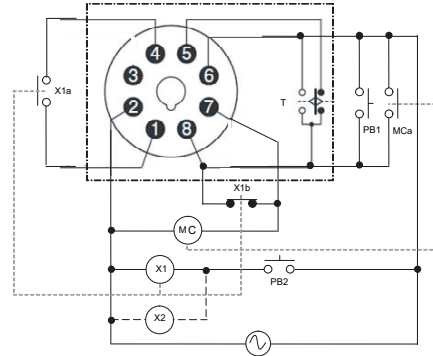
Wire connection

Product discontinuation Model RD2P-30

Recommendable replacement Model H3CR-H8RL

Connection diagram 2

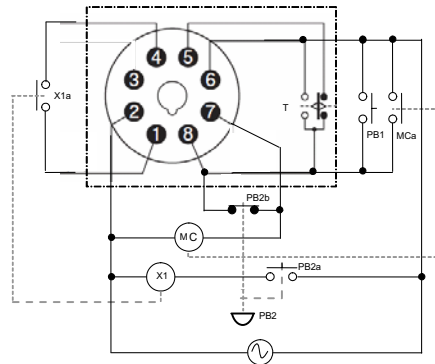
In case of the magnet contactor MC is stopped regardless of the operation of H3CR directly by switch PB2 for reset



X1: Relay for minute loads (Equivalent of MY2Z)
It is necessary to add X2 by the capacity of MC and make it for MC stops

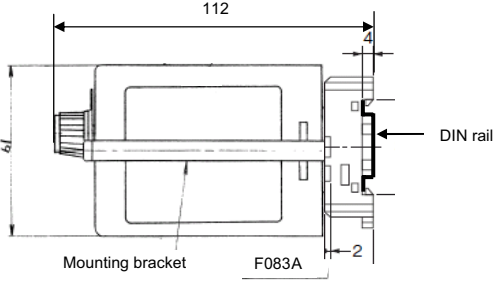
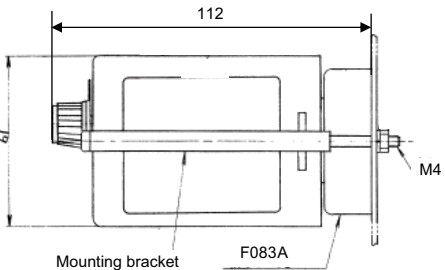
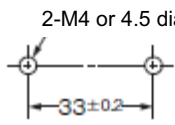
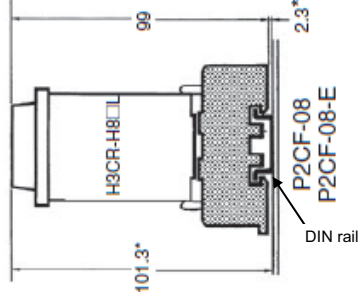
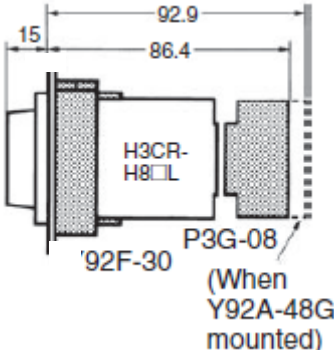
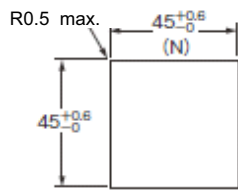
Connection diagram 3

In case of the magnet contactor MC is stopped regardless of the operation of H3CR directly by switch PB2 with "b contact" for reset



PB2: Switch for resets (Equivalent of A22E 1a1b)
X1: Relay for minute loads (Equivalent of MY2Z)

Mounting dimensions

Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL
<p>DIN rail mounting</p>  <p>Screw mounting</p>  <p>The mounting hole drilling dimension</p> 	<p>DIN rail mounting</p>  <p>Panel mounting</p>  <p>The mounting hole drilling dimension (DIN43700)</p> 

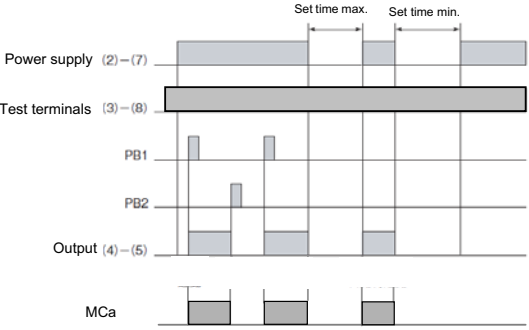
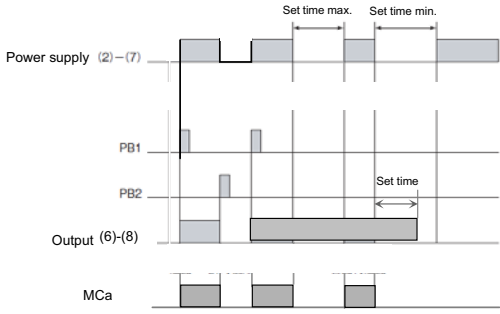
Dimensions

Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL


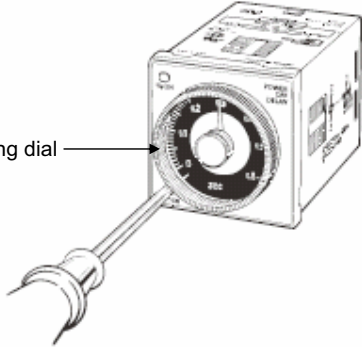
Characteristics

Item	Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL
Power supply voltage	100VAC, 110VAC, 120VAC, 200VAC, 220VAC 50/60Hz	100/110/120VAC, 200/220/240VAC 50/60Hz
Time specification	100VAC: 1s, 3s, 5s 110VAC: 1s, 3s, 5s 120VAC: -, 3s, - 200VAC: -, 3s, 5s 220VAC: 1s, 3s, 5s	0.05s to 12s for S series
Min. power ON time	0.1 s min.	0.1 s min. for S series
Control load	5 A at 250 VAC resistive load	5 A at 250 VAC resistive load
Accuracy of operating time	±5% (FS) max.	±0.2% (FS) max. (The percentage to the maximum scale) ±0.2% ±10 ms max. in a range of 0.6 s and 1.2 s
Setting error	±10% (FS) max.	±5% (FS) (The percentage to the maximum scale) ±50 ms max.
Influence of voltage	±5% (FS) max.	±0.2% (FS) max. (The percentage to the maximum scale) ±0.2% ±10 ms max. in a range of 0.6 s and 1.2 s
Influence of temperature	±5% (FS) max.	±1% (FS) max. (The percentage to the maximum scale) ±1% ±10 ms max. in a range of 0.6 s and 1.2 s
Electrical Life expectancy	500,000 operations (5 A at 250 VAC resistive load)	100,000 operations (5 A at 250 VAC resistive load)
Mechanical Life expectancy	500,000 operations min. (No load)	10,000,000 operations min. (No load)

Operation ratings

Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL
<p>Operating time chart</p>  <p>The pulse width of PB1 and PB2 shall be 200ms min. Also, the PB2 shall be more than the return time of MC.</p>	<p>Operating time chart</p>  <p>The pulse width of PB1 shall be 100ms min. The pulse width of PB2 shall be 50ms min. and also more than the return time of MC.</p>

Operation methods

Product discontinuation Model RD2P-30	Recommendable replacement Model H3CR-H8RL
<p>Setting of operation time The operation time are set by a setting knob.</p> 	<p>Switchover of time specification The time specification are shifted by the switch under the left of front side. The scale range are shown to the display window under the right in the set dial as 0.6, 1.2, 6, and 12.</p>  <p>Setting of operation time The operation time is set by a setting dial.</p>