Product News

OMRON AUTOMATION & SAFETY

NO: TI-049 **PRODUCT:** H3CR Timers
DATE: March 2014 **TYPE:** Modification Notice

H3CR Timers Modified with More Timing Modes and Timing Units; New Supply Voltage Ranges Simplify Stocking

Effective date: April 2013

Reasons for modification: Streamline product offering to make timers easier to stock with fewer part numbers. Expanded timing modes and units were added to meet users' needs and keep H3CR competitive in the marketplace.

Affected Parts

Part number	Part number
H3CR-A AC100-240/DC100-125 300H	H3CR-H8L AC200/220/240 12M
H3CR-A AC24-48/DC12-48 300H	H3CR-H8L DC100-125 12M
H3CR-A-301 AC100-240/DC100-125 600H	H3CR-H8L DC48 12M
H3CR-A-301 AC24-48/DC12-48 600H	H3CR-H8L AC/DC24 12S
H3CR-A8 AC100-240/DC100-125 300H	H3CR-H8L AC100/110/120 12S
H3CR-A8 AC24-48/DC12-48 300H	H3CR-H8L AC200/220/240 12S
H3CR-A8-301 AC100-240/DC100-125 600H	H3CR-H8L DC100-125 12S
H3CR-A8-301 AC24-48/DC12-48 600H	H3CR-H8L DC48 12S
H3CR-A8-31 DC100 300H	H3CR-H8RL AC/DC24 12M
H3CR-A8E AC100-240/DC100-125 300H	H3CR-H8RL AC100/110/120 12M
H3CR-A8E AC24-48/DC24-48 300H	H3CR-H8RL AC200/220/240 12M
H3CR-A8S AC24-48/DC12-48 300H	H3CR-H8RL DC100-125 12M
H3CR-AP AC100-240/DC100-125 300H	H3CR-H8RL AC/DC24 12S
H3CR-AP AC24-48/DC12-48 300H	H3CR-H8RL AC100/110/120 12S
H3CR-AS AC24-48/DC12-48 300H	H3CR-H8RL AC200/220/240 12S
H3CR-F AC/DC24	H3CR-H8RL DC100-125 12S
H3CR-F AC100-240	H3CR-H8RL DC48 12S
H3CR-F8 AC/DC24	H3CR-H8RL DC48 M
H3CR-F8 AC100-240	H3CR-HRL AC/DC24 12M
H3CR-F8N AC/DC24	H3CR-HRL AC100/110/120 12M
H3CR-F8N AC100-240	H3CR-HRL AC200/220/240 12M
H3CR-FN AC/DC24	H3CR-HRL DC100-125 12M
H3CR-FN AC100-240	H3CR-HRL AC/DC24 12S
H3CR-G8EL AC100/110/120	H3CR-HRL AC100/110/120 12S
H3CR-G8EL AC200/220/240	H3CR-HRL AC200/220/240 12S
H3CR-G8L AC100/110/120	H3CR-HRL DC100-125 12S
H3CR-G8L AC200/220/240	H3CR-HRL DC48 12S
H3CR-H8L AC/DC24 12M	H3CR-HRL DC48 M
H3CR-H8L AC100/110/120 12M	

See the following pages for details about the changes.

Changes

Before the change

Operating mode

Applicable model: H3CR-A, AP, AS
6 mode

Type	Operating mode
6 mode	A: ON-delay B: Flicker OFF start B2: Flicker ON start C: Signal ON/OFF-delay D: Signal OFF-delay E: Interval

Operating mode selection sequence

Applicable model: H3CR-A, AP, AS
6 mode
A→B→B2→C→D→E→(A→B ・・・)
(clockwise : 6 selectors)

After the change

Operating mode

Applicable model: H3CR-A, AP, AS
8 mode

Type	Operating mode
8 mode	A: ON-delay B: Flicker OFF start B2: Flicker ON start C: Signal ON/OFF-delay D: Signal OFF-delay E: Interval G: Signal ON/OFF-delay J: One-shot

Operating mode selection sequence

Applicable model: H3CR-A, AP, AS
8 mode
A→B→B2→C→D→E→G→J→(A→B ・・・)
(clockwise : 8 selectors)

Before the change

Operating mode

Applicable model: H3CR-A8, A8S, A8E
4 mode

Type	Operating mode
4 mode	A: ON-delay (power supply start) B2: Flicker ON start (power supply start) E: Interval (power supply start) J: One-shot (power supply start)

Operating mode selection sequence

Applicable model: H3CR-A8, A8S, A8E
6 mode
A→B2→E→J→A→E→(A→B2 ・・・)
(clockwise : 6 selectors)

After the change

Operating mode

Applicable model: H3CR-A8, A8S, A8E
5 mode

Type	Operating mode
5 mode	A: ON-delay (power supply start) B2: Flicker ON start (power supply start) E: Interval (power supply start) J: One-shot (power supply start) B: Flicker OFF start (power supply start)

Operating mode selection sequence

Applicable model: H3CR-A8, A8S, A8E
8 mode
A→B2→E→J→B→A→B2→E→(A→B2 ・・・)
(clockwise : 8 selectors)

Before the change

Time Unit

Applicable model: H3CR-A, AP, AS, A8, A8S, A8E

Time unit / Full scale setting		sec	min	hrs	×10h
1.2	Set time	0.05～1.2	0.12～1.2		1.2～12
3		0.3～3			3～30
12		1.2～12			12～120
30		3～30			30～300

After the change

Time Unit

Applicable model: H3CR-A, AP, AS, A8, A8S, A8E

Time unit / Full scale setting		sec	×10s	min	×10m	hrs	×10h
1.2	Set time	0.05～1.2	1.2～12	0.12～1.2	1.2～12	0.12～1.2	1.2～12
3		0.3～3	3～30	0.3～3	3～30	0.3～3	3～30
12		1.2～12	12～120	1.2～12	12～120	1.2～12	12～120
30		3～30	30～300	3～30	30～300	3～30	30～300

Before the change

Time Unit

Applicable model: H3CR-A-301, H3CR-A8-301

Time unit / Full scale setting		sec	min	hrs	×10h
2.4	Set time	0.1～2.4	0.24～2.4		2.4～24
6		0.6～6			6～60
24		2.4～24			24～240
60		6～60			60～600

Applicable model: H3CR-F(8), F(8)N

Time unit / Full scale setting		sec	10s	min	hrs
1.2	Set time	0.05～1.2	1.2～12	0.12～1.2	
3		0.3～3	3～30	0.3～3	
12		1.2～12	12～120	1.2～12	
30		3～30	30～300	3～30	

Supply voltage

Applicable model: H3CR-F(8), F(8)N
4 types
AC100-240V
AC/DC24V
DC12V
DC48-125V

Star-delta transfer time

Applicable model: H3CR-G8EL, G8L
4 mode
0.05s, 0.1s, 0.25s, 0.5s (seconds)

Full scale setting angle and display window

Full scale setting angle : All model
Operating mode display window : H3CR-A
Time unit selector display window : H3CR-A, H3CR-F
Star – delta transfer time display window : H3CR-G

After the change

Time Unit

Applicable model: H3CR-A-301 H3CR-A8-301

Time unit / Full scale setting		sec	×10s	min	×10m	hrs	×10h
2.4	Set time	0.1～2.4	2.4～24	0.24～2.4	2.4～24	0.24～2.4	2.4～24
6		0.6～6	6～60	0.6～6	6～60	0.6～6	6～60
24		2.4～24	24～240	2.4～24	24～240	2.4～24	24～240
60		6～60	60～600	6～60	60～600	6～60	60～600

Applicable model: H3CR-F(8), F(8)N

Time unit / Full scale setting		sec	×10s	min	×10m	hrs	×10h
1.2	Set time	0.05～1.2	1.2～12	0.12～1.2	1.2～12	0.12～1.2	1.2～12
3		0.3～3	3～30	0.3～3	3～30	0.3～3	3～30
12		1.2～12	12～120	1.2～12	12～120	1.2～12	12～120
30		3～30	30～300	3～30	30～300	3～30	30～300

Supply voltage

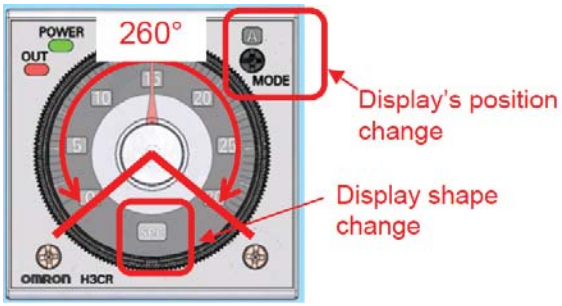
Applicable model: H3CR-F(8), F(8)N
2 types
AC100-240V/DC100-125V
AC24-48V/DC12-48V

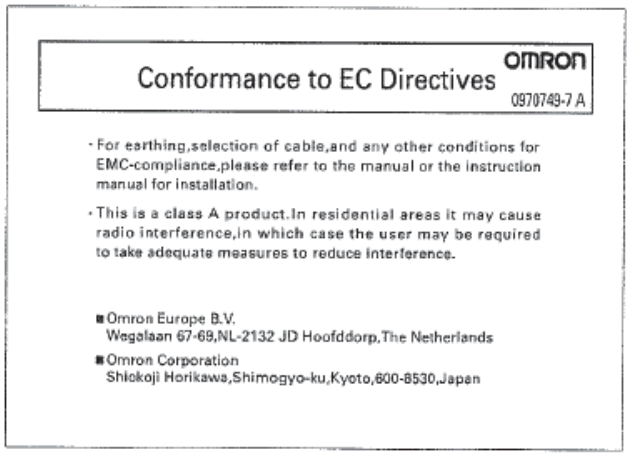
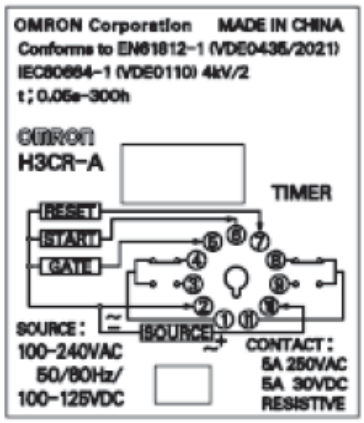
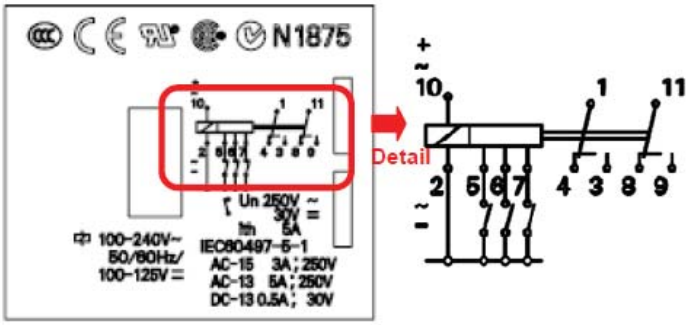
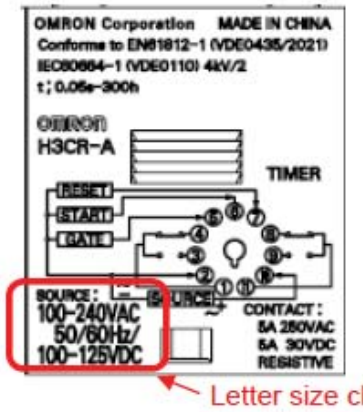
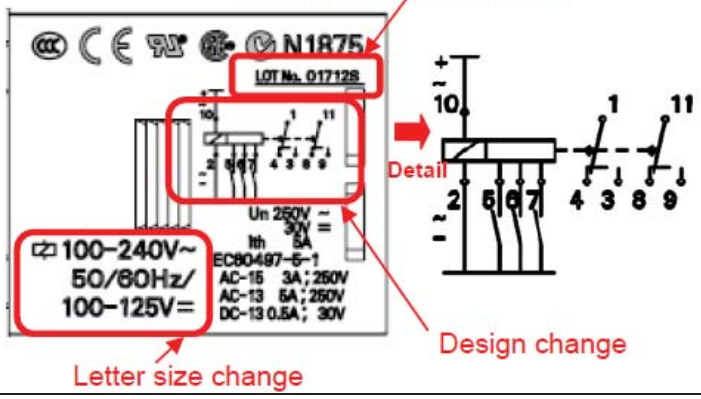
Star-delta transfer time

Applicable model: H3CR-G8EL, G8L
6 mode
0.05s, 0.1s, 0.25s, 0.5s, 0.75s, 1.0s (seconds)

Full scale setting angle and display window

Full scale setting angle : All model
Operating mode display window : H3CR-A
Time unit selector display window : H3CR-A, H3CR-F
Star – delta transfer time display window : H3CR-G



Before the change	After the change
Inrush current Applicable model: H3CR-F(8), F(8)N(DC12V, AC/DC24V) 0.85A (AC/DC24V type: When AC26.4V) 0.6A (AC/DC24V type: When DC26.4V) 0.052A (DC12V type: When DC13.2V)	**Inrush current** Applicable model: H3CR-F(8), F(8)N(DC12V, AC/DC24V) 0.83A (When AC26.4V) 0.57A (When DC26.4V) 0.285A (When DC13.2V)
“Conformance to EC directive” sheet Applicable model: All model Including in packing case 	**“Conformance to EC directive” sheet** Applicable model: All model Not Including in packing case It will be including in instruction manual.
Case Label Applicable model: All models  	**Case Label** Applicable model: All models  Letter size change Lot No. position and printing method change (From back to side) (Stamp to Laser marking) 

Before the change	After the change
Case Label Lot number : Production year Last 1 digits in the year □□□□□□ ①②③④⑤⑥ ①② ・・・Production day 01～31 ③・・・・・Production month 1～9, X, Y, Z X＝10, Y＝11, Z＝12 ④・・・・・Production year Last 1 digits in the year ⑤・・・・・Production factory abbreviation ⑥・・・・・Production line code	**Case Label** Lot number : Production year Last 2 digits in the year □□□□□□ ①②③④⑤⑥ ①② ・・・Production day 01～31 ③・・・・・Production month 1～9, X, Y, Z X＝10, Y＝11, Z＝12 ④⑤・・・Production year Last 2 digits in the year ⑥・・・・・Production factory abbreviation
Packing case label Applicable model: All models  Lot number : Production year Last 1 digits in the year □□□□□ ①②③④⑤ ①② ・・・Production day 01～31 ③・・・・・Production month 1～9, X, Y, Z X＝10, Y＝11, Z＝12 ④・・・・・Production year Last 1 digits in the year ⑤・・・・・Production factory abbreviation	**Packing case label** Applicable model: All models  Lot number : Production year Last 2 digits in the year □□□□□□ ①②③④⑤⑥ ①② ・・・Production day 01～31 ③・・・・・Production month 1～9, X, Y, Z X＝10, Y＝11, Z＝12 ④⑤・・・Production year Last 2 digits in the year ⑥・・・・・Production factory abbreviation

Specifications in this product news are as of the issue date and are subject to change without notice.
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