

Correction Reissue

Product Discontinuation Notices

Timers

OMRON

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No. 2014039CE(2)

Discontinuation Notice of H2F Motor Time Switch

<< REQUEST >>

There was modification in portion of Product Discontinuation notices of Product News No. 2014039CE issued in March 2014. What we have changed is addition of the Product Discontinuation Y92S-24. Please abolish old edition and replace the latest No. 2014039CE(2).



[Discontinuation date]

The end of March, 2015

[Caution on recommended replacement]

- \cdot Rated and operating characteristics, mounting and operation methods, external dimensions, and wire connection, etc. are all widely changed
- $\boldsymbol{\cdot}$ Please read the catalog carefully for your understanding before using the product.
- \cdot The battery Y92S-42 for H2F is also discontinued at the same time.
- \cdot For details, please check the Product News No. 2014037CE (Product Discontinuation Notices).

[Difference from discontinued product]

Recommended replacement Model	Body color	Dimensi	onsc	Wire onnection	Mounting dimensions	Charact -eristics	Operation ratings	Operation methods
Model H5F	*							
Model H5S-W	*							

** : Compatible

* : The change is a little/Almost compatible

- -- : Not compatible
- : No corresponding specification

Product discontinuation	Recommended replacement
	H5F-FB
H2F-DMFC AC100-240	H5F-KB
	H5F-FB
H2F-DMF AC100-240	H5F-KB
H2F-DMC AC100-240	H5F-B
H2F-DM AC100-240	H5F-B
H2F-DFC AC200/220/240	H5F-FB
HZF-DFC AC200/220/240	H5F-KB
	H5F-FB
H2F-DFC AC100/110/120	H5F-KB
H2F-DF AC200/220/240	H5F-FB
HZF-DF AC200/220/240	H5F-KB
H2F-DF AC100/110/120	H5F-FB
HZF-DF AC100/110/120	H5F-KB
H2F-DC AC200/220/240	H5F-B
H2F-DC AC100/110/120	H5F-B
H2F-D AC200/220/240	H5F-B
H2F-D AC100/110/120	H5F-B
H2F-31	H5F-FB
HZF-31	H5F-KB
H2F-30	H5F-B
H2F-WMFC AC100-240	H5S-WFA2
H2F-WMF AC100-240	H5S-WFA2
H2F-WMC AC100-240	H5S-WA2
H2F-WM AC100-240	H5S-WA2
H2F-43 DC12/24 1W	H5S-WA2D
Y92S-21 (SET PIN FOR H2F)	No recommended replacement
Y92S-24	No recommended replacement



Wire connection]





[Mounting dimensions]





[Dimensions]





[Ratings / Characteristics]

Item	Product discontinuation	Recommendable replacement		
item	Model H2F	Model H5F	Model H5S-W	
Supply voltage	Synchronous motor: AC 100/110/120 V 50/60 Hz AC 200/220/240 V 50/60 Hz Quartz motor: AC 100 to 240 V 50/60 Hz, DC 12 to 24 V	AC 100 to 240 V 50/60 Hz	AC 100 to 240 V 50/60 Hz DC 24 V	
Operating voltage range	85 to 110% of rated supply voltage	85 to 110% of rated supply voltage	85 to 110% of rated supply voltage (85 to 120% for DC 24 V)	
Power consumption	Synchronous motor: 3 VA max. Quartz motor : 1 VA max. at AC 100 to 120 V 4 VA max. at AC 200 to 240 V 1 W max. at DC 12 to 24 V	Approx. 2.4VA (AC 264 V)	Approx. 2.9 VA (AC 100 to 240 V) Approx. 0.8 W (DC 28.8 V)	
Control outputs	Contact 1a, 1c AC 250 V 15 A (resistive load)	Contact 1a AC 250 V 15 A (resistive load) DC 24 V 10 A (resistive load)	Contact 1a AC 250 V 15 A (resistive load) AC 250 V 10 A (inductive load cosφ=0.7)	
Ambient operating temperature	−10 to 55°C (with no icing)	−10 to 55°C (with no icing)	−10 to 55°C (with no icing or condensation)	
Storage temperature	−25 to 65°C (with no icing)	−25 to 65°C (with no icing)	−25 to 65°C (with no icing)	
Ambient operating humidity	35 to 85%	35 to 85%	25 to 85%	
Elapsed time display method	No display for elapsed time	Digital display by LCD	Digital display by LCD	
Time setting	Time setting by the dial	Digital display by LCD	Digital display by LCD	
Operation time deviation / setting error / voltage influence, temperature influence	 Operation time deviation *1 Voltage and temperature influences, ±3min max. *1. Deviation in ON or OFF time Setting error *2 ±3min max. *2.Time difference between the set time and time required to start operation when the pointer is set to the present time 	(±0.01% ±0.05 s) max. *1 ±0.01% is the value against interval of set time *1. No higher than (±0.01% ±0.05 sec.) for total errors including operation time deviation, setting error, voltage and temperature influences.	(±0.01% ±0.05 s) max. *1 ±0.01% is the value against interval of set time *1. No higher than (±0.01% ±0.05 sec.) for total errors including operation time deviation, setting error, voltage and temperature influences.	
Compensation time of power failure	Quartz motor (H2F-DM[]/-30/-31) More than 180 h : Clock function (continuous), Output operation (valid), Setting (OK)	Over 5 year duration (25°C) Over 10 years (25°C, power failure 50% or less: integration time of power failure) (by lithium battery) : Clock function (continuous), Output operation (no valid/OFF), Setting (OK)	Over 5 years (25°C: compensation time of power failure denotes the calculated value when ambient temperature in power failure time (storing) is 25°C) : Clock function (continuous), Output operation (no valid/OFF), Setting (OK)	
Weight	Flush Mounting: approx.150 g Surface Mounting: Approx. 200 g	Approx. 115 g (Model H5F-A) Approx. 160 g (Model H5F-KA) Approx. 130 g (Model H5F-FA)	Approx. 200 g	

[Operation ratings]

Product discontinuation Model H2F

■ Time Spesifications

H2F-D[]/-30/-31

Туре	Cycle	Minimum scale graduation	Minimum set time	Maximum set time
Daily	24 h	15 min	15 min	23 h 45 min

•Control output:15 A at 250 VAC, resistive load

H2F-WM[]/-43

Туре	Cycle	Minimum scale graduation	Minimum set time	Maximum set time
Weekly	Weekly	1 h	2 h	166 h

•Control output: 15 A at 250 VAC, resistive load

Recommended replacement Model H5F/H5S-W

H5F Operation

Operation method	Digital quartz
Time range	24 h × 7 days (Operation days can be specified.)
Operation	1. Daily operation (Multiple-day operation possible.)
	 Pulse-output operation (Pulse width can be set in units of 1 s from 1 to 59 s and in units of 1 min from 1 to 60 min.)
	Partial operation on specified day (One or some of the operations for certain days can also be executed on other days.)
	4. Forced ON/OFF operation
	5. Holiday operation
	Output override and automatic return operation
Display	 Day, hours (12-hour (am/pm) or 24-hour clock), minutes (0:00 to 11:59 a.m./ 0:00 to 11:59 p.m., 0:00 to 23:59)
	2. Digital display by LCD. Character height: 8 mm
	Digital display of present time and time schedules for operation
	Timing chart display of present time and time schedules for operation
Other functions	Program check function, summer time function
Number of circuits	1 independent circuit
Minimum setting unit	1 min
Minimum set interval	1 min
Number of operations that can be set	24 (see note)

Note: Up to 12 ON/OFF operations are possible per day. (For pulse-output operation, the number is 24.)

Operation Functions

Timer operation (ON/OFF operation)	Controls the output according to preset of ON and OFF times
	Minimum setting unit: 1 min
	 Up to 12 ON/OFF operations are possible per day.
1 1	
ON time OFF time	
Pulse-output operation	Output turns ON for a fixed period (pulse width) at the set time.
	 Pulse width: 1 to 59 s, or 1 to 60 min. (The same pulse width setting is used for all types of output operation.)
	 The pulse width can be set in units of 1 s or 1 min.
ON time	 Up to 24 pulse-output operations are possible per day.
Forced ON/OFF operation	Forcibly turns ON/OFF the output by the output ON/OFF switch.
Override and automatic return operation	Using the output ON/OFF switch and the Write Key, control output is held in the ON state until
Regular	the next OFF time.
program	 It is also possible to hold the control output in the OFF state until the next ON time.
Output	· Operation after the output turns OFF (or ON) will be based on the regular program.
operation	 This function can be used with pulse-output operation.
Start of override and automatic return operation	
Partial operation on specified day	The Time Switch operates according to only some of the programs on a user-specified day.
Program 1 Program 2	(Convenient, for example, for executing a half-day operation on Saturday.)
(special) Regular	 It is not possible to set operation to be executed only on the specified day.
program	 Only one pattern of specified days can be set.
Operation on operation day	 This function can be used with pulse-output operation.
Operation on	
specified day	
Holiday setting	It is possible to set a day in the present week as a holiday (i.e., a non-operation day: output
Operation on Operation	OFF regardless of the settings). When that day has passed, operation will continue according
operation day on holiday	to the regular program, and operation will be executed as normal on that day from the follow ing week
Regular program	
Operation in	 This function can be used with pulse-output operation.
present week	
Operation from pert week	
Note: Both the timer operation and the pulse-out	4

Recommended replacement Model H5F/H5S-W

H5S-W

Operation

Item	H5S-W□2
Operation method	Digital quartz
Operation period	1week (7 days)
Display	 Day, hrs (switchable between 24-hr indication and a.m./p.m. 12-hr indication), minutes, seconds (0.00 to 23:59, 0.00 to 11:59 a.m., 0.00 to 11:59 p.m.) Digital indication by LCD (character height: 10 mm) Digital display of operation schedule during operation Timing chart display of operation schedule during operation
Min. setting unit	1min
Number of steps that can be set	Weekly program 40 steps/circuit

Operation Functions

Item	H5S-W□2
Weekly timer operation	Controls the output according to the set time of ON and OFF •Min. setting unit: 1 min •Multiple-day operation also possible ON OFF
Weekly pulse output operation	Output turns ON for a fixed period (pulse width) at the set ON time. •Pulse width: 1 to 59 s (in 1-s increments), or 1 to 60 min (in 1-min increments) •The pulse width can be set for each step. Pulse output operation •The pulse width can be set for each step.
Weekly cyclic operation	Repeatedly turns ON and OFF during the period from the cyclic start time to the stop time. Independent ON- and OFF-time settings are possible. •Min. setting unit: 1 min (The ON time width and OFF time width can each be set to between 1 minute and 11 hours 59 minutes.) The timer operation repeatedly turns the signal ON and OFF for the time widths specified by the ON time and OFF for the time during the period from the day of the week and time that are set for the cyclic start time to the day of the week and time that are set for the stop time.
Temporary holiday setting	Sets temporary holidays (non-operating days) without having to revise the existing program.
Day override operation	Operation for one day can be temporarily executed on another day. (The change data for setup day is valid 1week only.)
Program check	Consecutively displays the days and times when the output is set to turn ON and OFF over the course of one week in the sequence in which the Time Switch is to operate.
Checking the settings	Consecutively displays the times when the output is set to turn ON and OFF for one day in the sequence in which the Time Switch is to operate.
Forced ON/OFF operation	Allows the output to be forcibly turned ON/OFF by the Output ON/OFF Switch regardless of the control output setting.
Override and automatic return operation	Allows the control output to be maintained in the ON (or OFF) state until the next OFF (or ON) time. This operation is controlled by using the Output ON/OFF Switch and Write Key. When completed, the Time Switch automatically resumes the previously set operation.
Summertime (DST) adjustment	Switches the current time from "current time" to "current time + 1 h" for daylight savings time. Yearly models also offer automatic switching to daylight savings time.
Time counter/ total counter display	Displays the total elapsed time and total count of external input. It also displays a warning when a set value is entered.
Time adjustment input	Allows the time to be set to 00 min 00 s at the same time as an external input is applied.
Manual operation on recovery from power failure	Allows the output state to be specified following recovery from a power failure
Bank switching	Allows two groups (banks) of programs to be registered and switched by external input.
Power OFF settings	Allows the display to remain lit even when the power is turned OFF, and settings to be made for all functions except Override and Automatic Return Operation.



No.	Name	Function
0	Mode Key	Switches between time adjustment mode, the operation setting modes, and run mode.
8	h (Hour) Key	Sets hours or switches between 12-hour (am/pm) and 24-hour display.
0	m/@WD (Minute/Pulse Time Width) Key	Sets minutes or a pulse time width.
4	Write Key	Writes the set data to memory or confirms settings with the program check function.
6	d/Test (Day Shift/Program Test) Key	Moves the cursor to specify a day or starts the program check function.
6	Select/Holiday Key	Specifies or cancels a specified day or switches to holiday setting mode.
0	CLR/+1h (Clear/Summer Time) Key	Erases the set data and initializes the day of operation or sets/clears summer time.
8	Output ON/OFF switch	ON: Turns on the output regardless of the setting. AUTO: Turns on/off the output according to the setting. OFF: Turns off the output regardless of the setting.
		Override and automatic return operation can be executed by using this key in combina- tion with the Write Key.
0	TMR/ (Timer/Pulse output) Key	Selects timer operation or pulse-output operation.



Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.