

**PRODUCT
NEWS****Correction
Reissue****Product Discontinuation
Notices****<< REQUEST >>**

There was modification of Product News №20250929_DOP_00001_C of December 2025 issue.

What we have changed is as follows;

- Updates the recommended replacement product name under [Product Discontinuation and recommended replacement].
 - Updates the output mode, power consumption, and safety standards in [Specifications, Ratings, Characteristics].
- Please abolish old edition, replace the latest.

Product Discontinuation

Counters

H8BM-R Series**Recommended Replacement**

There is no recommended replacement by Omron

**Made by Toho Technology Corporation
TCN9 Series**

Accessories
Rubber Packing
Y92S-25
Short-circuit plate
Y92S-26

**[Final order entry date]**

The end of December, 2026

[Date of The Last Shipping]

The end of March, 2027

[Caution on recommended replacement]

Toho Technology Corporation began the phased release of the successor products to the H8BM-R series on July 1, 2026. These successor products are compatible with the H8BM-R series. For details, please refer to the "[Specifications,Ratings,Characteristics]" section.

<Inquiry contact for recommended replacement >

Toho Technology Corp.	Address	5-1 ORIZUSHIMOMACHI HIGASHI, INAZAWA-CITY,
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Component Division Sales Department	TEL	+81-587-81-3151
IoT Sales Section	E-mail	ele-info@toho-tec.co.jp
Mr. TAKUYA INOUE	URL	https://www.toho-tec.co.jp/products/iot/ten

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
TCN9 Series	**	**	**	**	**	**	**

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

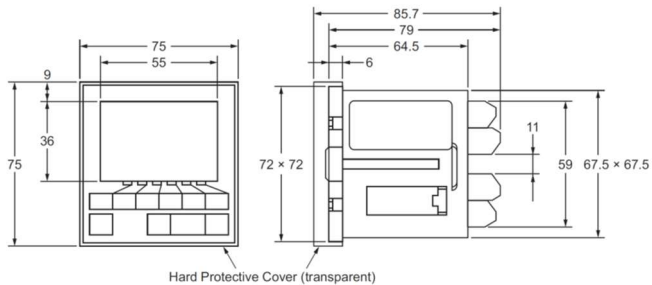
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
H8BM-RA DC24	TCN9-AJ
H8BM-RAD DC24	TCN9-BJ
H8BM-RB DC24	TCN9-AE
H8BM-RBD DC24	TCN9-BE
Y92S-25	TCN92S-25
Y92S-26	TCN92S-26

[Body color]

Product discontinuation H8BM-R	Recommended replacement TCN9 Series
Dark gray (Munsell 5Y3/1) 	No change

[Dimensions]

Product discontinuation H8BM-R	Recommended replacement TCN9 Series
 Hard Protective Cover (transparent)	No change

[Wire connection]

Product discontinuation H8BM-R

Recommended replacement TCN9 Series

22	23	24	25	26	27	28
15	16	17	18	19	20	21
8	9	10	11	12	13	14
1	2	3	4	5	6	7

22	23	24	25	26	27	28
Reset input	Counter No. selection	Count input 1	Count input 2	Count input 3	Count input 4	Count input 5
15	16	17	18	19	20	21
Short input	I/O inhibit input	Count input 6	Count input 7	Count input 8	Count input 9	Input COM
8	9	10	11	12	13	14
RUN output	Machine stoppage output	Forecast output 1	Forecast output 2	Forecast output 3	Forecast output 4	Forecast output 5
1	2	3	4	5	6	7
Power supply: 0 V	Power supply: 24 V	Forecast output 6	Forecast output 7	Forecast output 8	Forecast output 9	Output COM

16 to 26.4 VDC

Input COM

Count input 1

Count input 2

Count input 3

Count input 4

Count input 5

Count input 6

Count input 7

Count input 8

Count input 9

Counter No. selection

Reset input

I/O inhibit input

Short input

Forecast output 1

Forecast output 2

Forecast output 3

Forecast output 4

Forecast output 5

Forecast output 6

Forecast output 7

Forecast output 8

Forecast output 9

Machine stoppage output

RUN output

Output COM

+24 V

0 V (24 VDC: ±10%)

OR

No change

[Mounting dimensions]

Product discontinuation H8BM-R					Recommended replacement TCN9 Series				
					No change				

[Specifications, Ratings, Characteristics]

Item	Product discontinuation H8BM-R		Recommended replacement TCN9 Series
	H8BM-RA/RB	H8BM-RAD/RBD	
Classification	3-stage setting	1-stage setting	No change
Mounting method	Flush mounting		
External connections	Screw terminals		
Degree of protection	Compliant with IEC IP54 for panel surface only Certified for UL Type 1		
Input mode	Up		
Output mode	F mode (Operation continues even when setting is reached.)		There is no specific output mode name. Its operation is equivalent to "Operation continues even when setting is reached."
Reset system	External, manual resets		No change
Timer operation	Yes		
Input method	Voltage inputs: High and low signal voltages (count, reset, short, counter No. selection, I/O inhibit)		
Control output	No-contact outputs: RUN, forecast, machine stoppage	No-contact outputs: RUN, forecast	
Display	Count, preset value, counter number, and error codes displayed on 7-segment LCD Mode, reset, I/O inhibit, re-monitor modes, and key protection displayed on LCD characters Output indication on LCD characters and LEDs		
LCD with backlight	Yes		
Built-in counter number	9 (counters 1 to 9)		
Preset stage	3-stage	1-stage	
Digits	Forecast value: 6 digits (999999) Pre-forecast value: -5 digits Machine stoppage: +5 digits	Forecast value: 6 digits (999999)	
Time ranges	Forecast value: 99999.9 h (0.1 h or longer)/ 99999.9 s (0.1 s or longer) Pre-forecast value: -9999.9 h/-9999.9 s Machine stoppage: +9999.9 h/+9999.9 s	Forecast value: 99999.9 h (0.1 h or longer)/99999.9 s (0.1 s or longer)	
Memory backup	EEPROM (Data can be written 100,000 times.), Backup time for power interruption: Approx. 10 years		

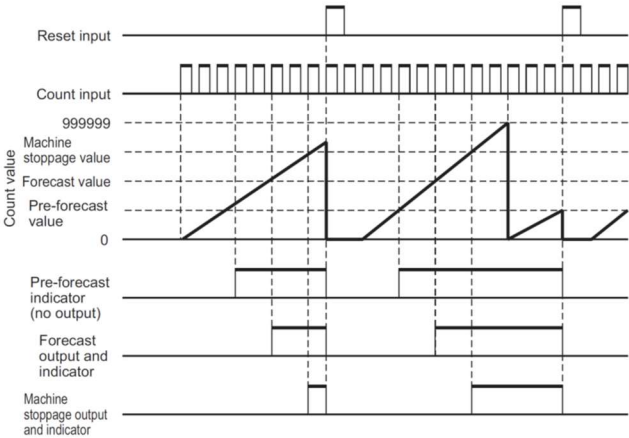
Item		Product discontinuation H8BM-R	Recommended replacement TCN9 Series
Rated supply voltage		24VDC	No change
Operating voltage range		85% to 110% of rated supply voltage	
Power consumption		Approx. 1.7 W (at 26.4 VDC)	Approx. 2.2 W (at 26.4 VDC)
Max. counting speed		30 Hz for count inputs 1 to 7, Switchable between 30 Hz and 500 Hz for count inputs 8 and 9	No change
Min. counting input signal width		Count inputs 1 to 7: 16.7 ms (ON:OFF = 1:1) Count inputs 8 and 9: 16.7 ms/1 ms selectable (ON:OFF = 1:1) Reset input: 100 ms max. Short input: 75 ms max. Counter number selection input: 30 ms max. I/O inhibit input: 16.7 ms max.	
One-shot time		20ms	
Count, reset, short, counter number selection, and I/O inhibit input		Voltage input High level: 16 to 26.4 VDC Low level: 0 to 3 VDC (input resistance: approx. 2.2 kΩ)	
Control output		Open-collector output: 100 mA max. at 30 VDC max.	
Surrounding air temperature		-10 to +55° C (with no icing or condensation)	
Ambient storage temperature		-25 to +65° C (with no icing or condensation)	
Ambient operating humidity		25% to 85%	
Insulation resistance		100 MΩ min. (at 500 VDC) (between current-carrying terminals and exposed non-current-carrying metal parts)	
Dielectric strength voltage		1,000 VAC, 50/60 Hz for 1 min (between current-carrying terminals and exposed non-current-carrying metal parts)	
Impulse withstand voltage		1 kV (between power terminals) 1.5 kV (between current-carrying terminals and exposed non-current-carrying metal parts)	
Noise immunity		±480 kV (between power terminals) and ±480 V (between input terminals), square-wave noise by noise simulator (pulse width: 100 ns/1 μs, 1-ns rise)	
Static immunity		Malfunction: 8 kV; destruction: 15 kV	
Vibration resistance	Destruction	10 to 55 Hz with 0.75-mm single amplitude, 2 hours each in three directions	
	Malfunction	10 to 55 Hz with 0.5-mm single amplitude, 10 minutes each in three directions	
Shock resistance	Destruction	300 m/s ² 3 times each in 6 directions	
	Malfunction	200 m/s ² 3 times each in 6 directions	

Item	Product discontinuation H8BM-R	Recommended replacement TCN9 Series
Weight	Approx. 250 g (Counter only)	No change
Safety standards	UL508 (See note 1.)/CSA C22.2 No.14 EN61326	UL61010-1, CAN/CSA- C22.2 No.61010-1:12 EN61326
EMC	(EMI) EN61326-1 Emission Enclosure: EN61326-1 (EN55011 Group 1 Class A) Emission AC Mains: EN61326-1 (EN55011 Group 1 Class A) (EMS) EN61326-1 Immunity ESD: EN61326-1 (EN61000-4-2): Contact discharge: 4 kV, air discharge: 8 kV Radiated electromagnetic field immunity: EN61326-1 (EN61000-4-3): 10 V/m (Amplitude modulated, 80 MHz to 1 GHz, 1,400 to 2,000 MHz) 10 V/m (Pulse-modulated, 900 MHz ±5 MHz) Immunity Burst: EN61326-1 (EN61000-4-4): 2 kV power-line, 1 kV I/O signal-line Immunity Surge: EN61326-1 (EN61000-4-5): 1 kV line to line (power line), 2 kV line to ground (power line) Immunity Conducted Disturbance: EN61326-1 (EN61000-4-6): 10 V (0.15 to 80 MHz)	No change

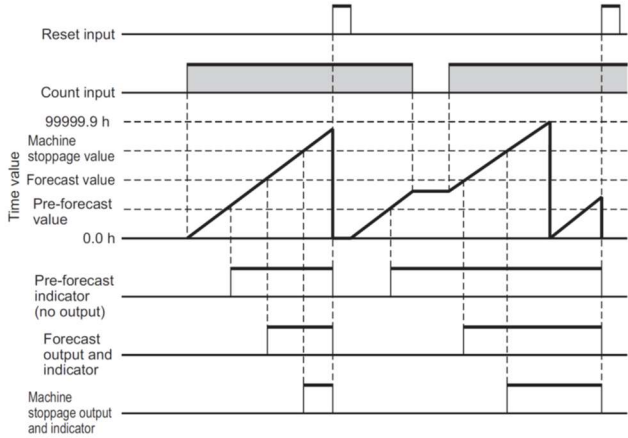
[Operation methods]

Product discontinuation
H8BM-R

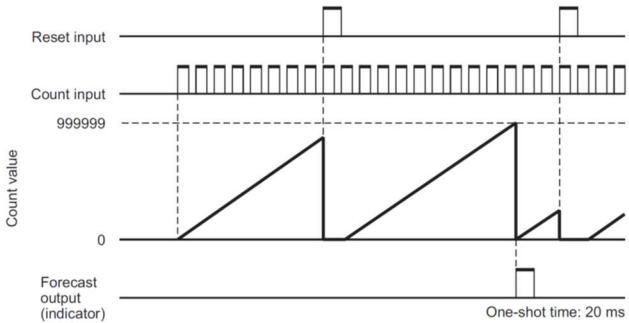
1. Counter (3-stage Preset Operation)



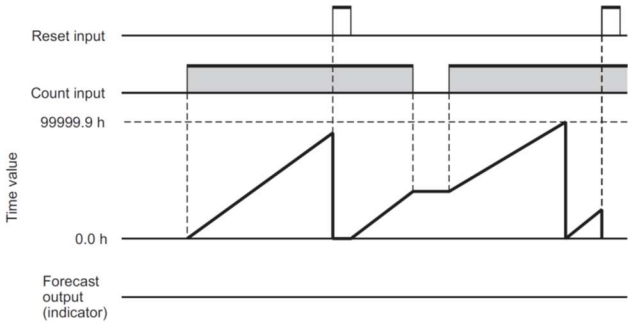
2. Timer (3-stage Preset Operation)



3. Total Counter Operation



4. Total Timer Operation



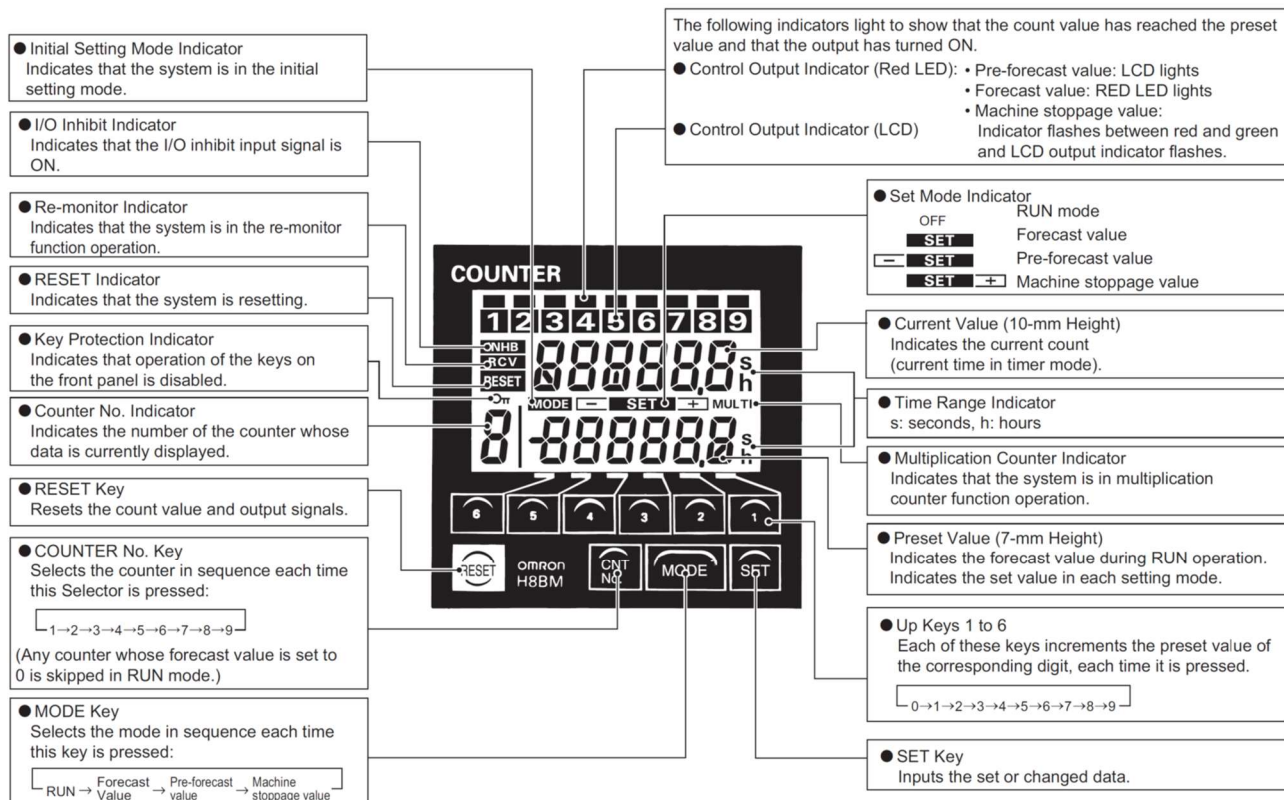
Note: The count will return to 0 when 999999 is exceeded.
When the power supply is turned OFF, the display and outputs will turn OFF, but the current count/time value will be stored in internal memory.

Recommended replacement
TCN9 Series

No change

[Nomenclature]

Product discontinuation H8BM-R



te: Models with only 1-stage setting (H8BM-RAD/RBD) are not provided with pre-forecast and machine stoppage output function; only the forecast output function

Recommended replacement TCN9 Series

No change

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. The information on the recommended substitute products from other companies is what our company is aware of as of the issuance of this notice. Regarding the end of production timing for the recommended alternative product, the possibility of continuing supply, the specifications, compatibility, and others, as well as other details, please inquire with your business partner and make your own decision at your company on whether to adopt the recommended alternative product.