

**Discontinuation Notice of Temperature Monitoring Relay K8AB-TH1[S].****Product Discontinuation**

Temperature Monitoring Relay

**Model K8AB-TH1[S]****Recommended Replacement**

Temperature Monitoring Relay

**Model K8AK-TH1[S]****[ Discontinuation date ]**

The end of March, 2015

**[ Caution on recommended replacement ]**

There are some changes in rating and specifications.

Please read the catalog carefully for your understanding before using the product.

**[ Difference from discontinued product ]**

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
K8AK-TH1[S]	--	**	**	*	*	*	**

\*\* : Compatible

\* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

**[ Product Discontinuation and recommended replacement ]**

Product discontinuation	Recommended replacement
K8AB-TH11S AC100-240	K8AK-TH11S 100-240VAC
K8AB-TH11S AC/DC24	K8AK-TH11S 24VAC/DC
K8AB-TH12S AC100-240	K8AK-TH12S 100-240VAC
K8AB-TH12S AC/DC24	K8AK-TH12S 24VAC/DC

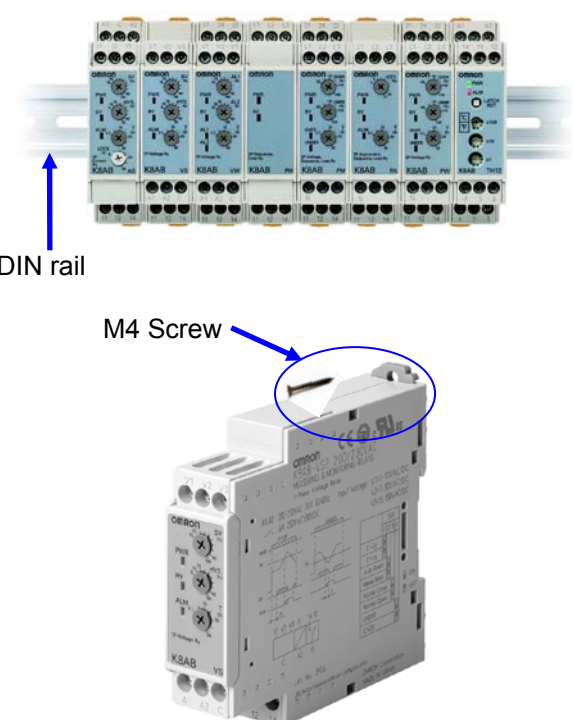

[ Body color ]

Product discontinuation	Recommendable replacement
<p align="center"><b>Model K8AB-TH1[S]</b></p>	<p align="center"><b>Model K8AK-TH1[S]</b></p>
<p><b>Body color</b> Munsell 5Y8/1</p> 	<p><b>Body color</b> Munsell N1.5</p> 

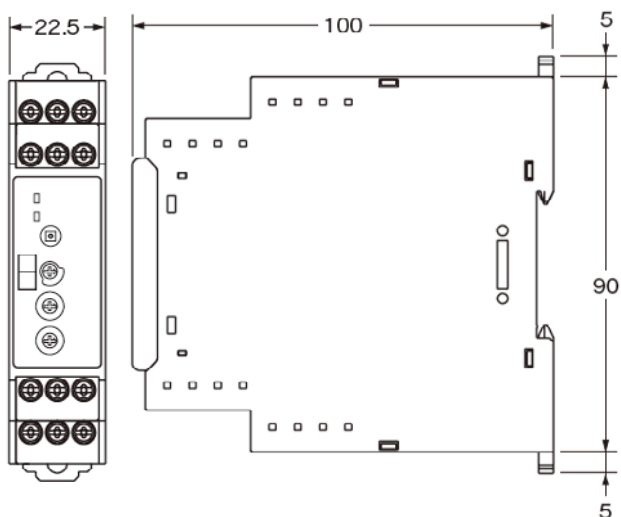
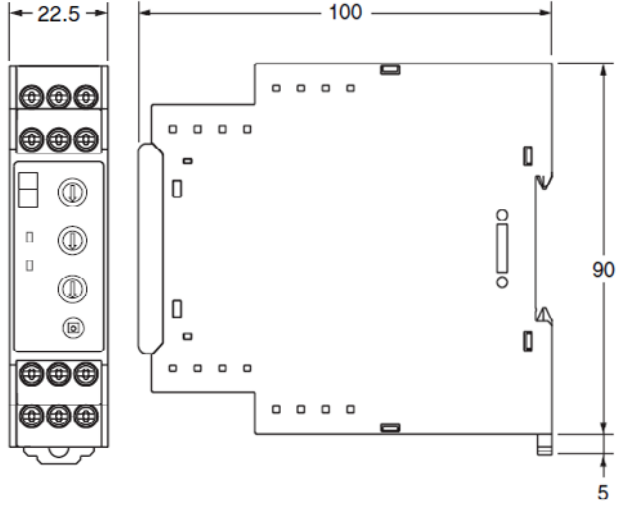
[ Wire connection ]

Product discontinuation	Recommendable replacement
<p align="center"><b>Model K8AB-TH1[S]</b></p>	<p align="center"><b>Model K8AK-TH1[S]</b></p>
<p><b>Terminal layout</b> Terminal layout diagram</p>	<p><b>Terminal layout</b> Terminal layout diagram</p>
<p><b>Wiring connections</b></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="108 1299 399 1816"> <p><b>K8AB-TH11S</b></p> </div> <div data-bbox="399 1299 794 1816"> <p><b>K8AB-TH12S</b></p> </div> </div>	<p><b>Wiring connections</b></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="794 1299 1085 1816"> <p><b>K8AK-TH11S</b></p> </div> <div data-bbox="1085 1299 1473 1816"> <p><b>K8AK-TH12S</b></p> </div> </div>

[ Mounting dimensions ]

Product discontinuation	Recommendable replacement
<p align="center"><b>Model K8AB-TH1[S]</b></p>	<p align="center"><b>Model K8AK-TH1[S]</b></p>
<p><b>Installation method</b> DIN rail or M4 screw</p>  <p>DIN rail</p> <p>M4 Screw</p>	<p><b>Installation method</b> DIN rail Screw cannot be used.</p>  <p>DIN rail</p>

[ Dimensions ]

Product discontinuation	Recommendable replacement
<p align="center"><b>Model K8AB-TH1[S]</b></p>	<p align="center"><b>Model K8AK-TH1[S]</b></p>
<p><b>Dimensions</b></p> 	<p><b>Dimensions</b></p> 

**[ Characteristics ]**

Item	Product discontinuation	Recommendable replacement
	Model K8AB-TH1[S]	Model K8AK-TH1[S]
<b>Power supply voltage</b>	100 to 240 VAC 50/60 Hz 24 VAC 50/60 Hz or 24 VDC	100 to 240 VAC 50/60 Hz 24 VAC 50/60 Hz or 24 VDC
<b>Sensor inputs</b>	K8AB-TH11S: Thermocouple: K, J, T, E; Platinum-resistance thermometer: Pt100  K8AB-TH12S: Thermocouple: K, J, T, E, B, R, S, PL II	K8AK-TH11S: Thermocouple: K, J, T, E; Platinum-resistance thermometer: Pt100, Pt1000  K8AK-TH12S: Thermocouple: K, J, T, E, B, R, S, PL II
<b>Output relay</b>	One SPDT relay (3 A at 250 VAC, resistive load)	One SPDT relay (5 A at 250 VAC, resistive load)
<b>Output relay</b>	Resistive load: 3 A at 250 VAC, 3 A at 30 VDC Maximum load: 10 mA at 5 VDC Maximum contact voltage: AC250V Maximum contact current: AC3A Minimum switching capacity: 1500VA Mechanical life: 10 million operations min. Electrical life: Make: 50,000 times, Break: 30,000 times	5 A at 250 VAC or 30 VDC (resistive load) Electrical life: 50,000 operations. 3 A at 250 VAC or 30 VDC (resistive load) Electrical life: 100,000 operations
<b>Setting accuracy</b>	±2.0% of full scale	±1% of the setting range Hysteresis width: 2°C
<b>Sampling cycle</b>	500 ms	100 ms
<b>Terminal screw tightening torque</b>	0.54 to 0.55 N·m	0.49 N·m
<b>Dielectric strength</b>	2,000 VAC 50/60 Hz for 1 min between charged terminals of different polarity	2,300 VAC, 50/60 Hz for 1 min between terminals of different charge
<b>Case material</b>	ABS resin (self-extinguishing resin)	PC and ABS
<b>Weight</b>	Approx. 130 g	Approx. 160 g

**[ Operation methods ]**

Product discontinuation	Recommendable replacement
Model K8AB-TH1[S]	Model K8AK-TH1[S]
<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;">                     There is no change in operation method and LED display color.                 </div>	

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.