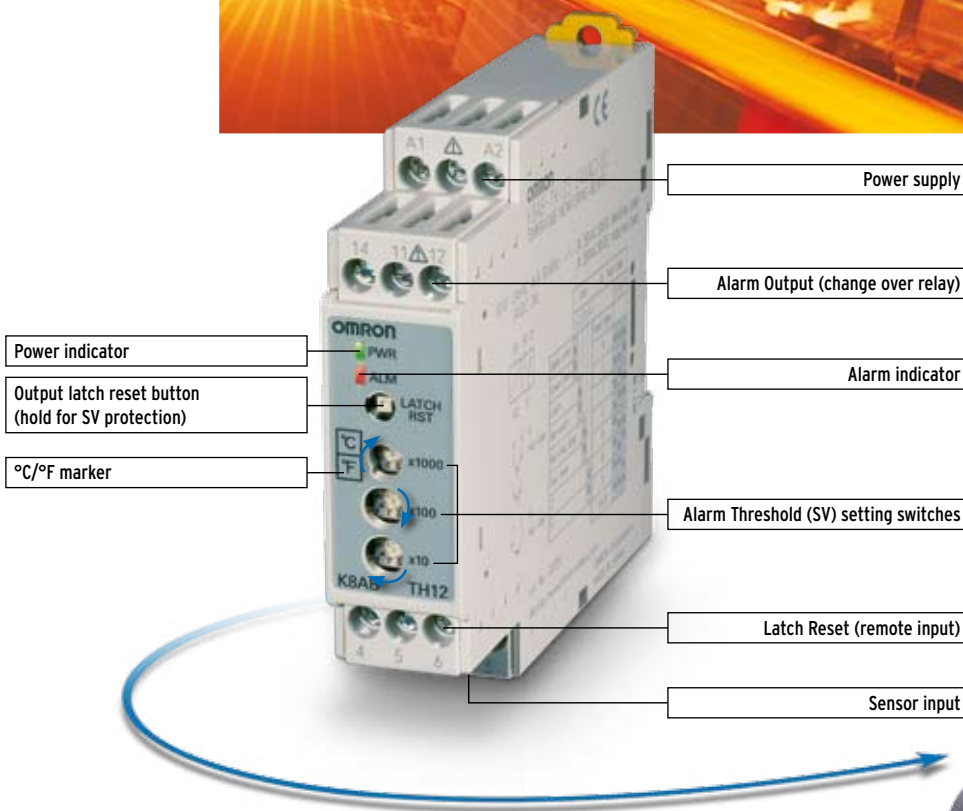


Protect your heating application

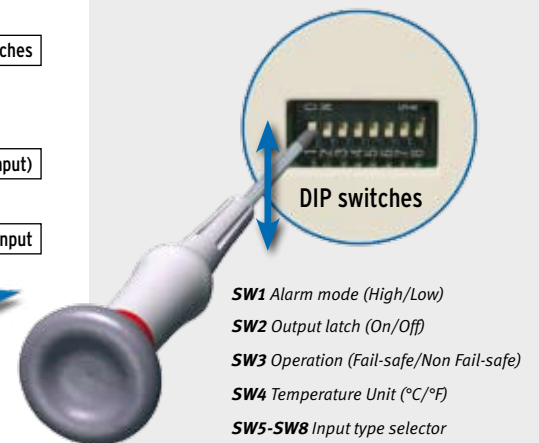
Temperature monitoring relay.



Advanced Industrial Automation



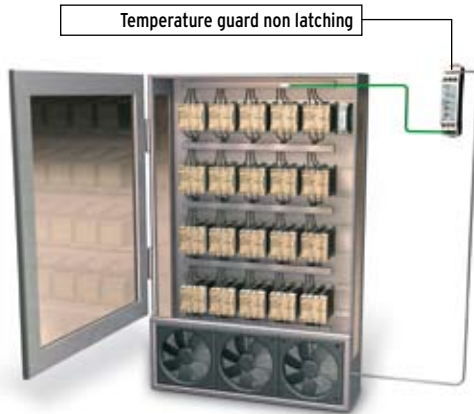
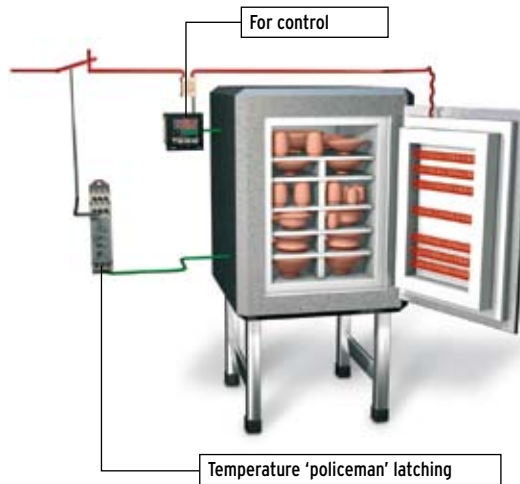
Easy to set up, field-configurable DIP switch for multi-input and unit selection.



The K8AB-TH is a temperature-monitoring relay that embodies both temperature-alarm functionality and simple ON/OFF temperature control. The unit is designed specifically for monitoring abnormal temperatures to prevent excessive temperature increases and to protect equipment. It comes in a slim housing with a width of just 22.5 mm suitable for DIN-rail or direct panel mounting. Settings are selected by DIP switches, making the K8AB-TH easy to configure. The alarm threshold is set using rotary switches

on the front, allowing the alarm point to be easily checked at a later time. The unit features multiple inputs with support for both thermocouples and Pt100 sensors. For the alarm output, a change-over relay is provided and, in contrast to many other, comparable, monitoring relays, the K8AB-TH also embodies an output latch function with (front button) latch reset, SV protection and the choice of fail-safe/non-fail-safe relay operation.

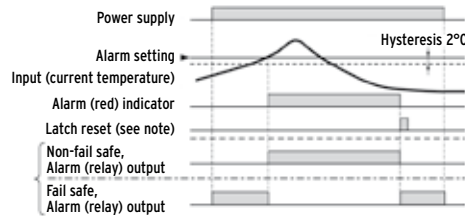
If a temperature sensor is damaged or the SSR is short circuited in a furnace, the controller has no means of stopping rises in temperature. An internal alarm can help, but there is still some risk if the controller fails. This risk is eliminated by the built-in redundancy of the K8AB-TH alarm unit which can automatically switch off the power to the furnace.



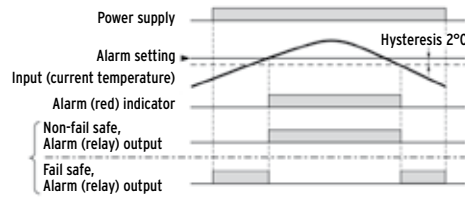
Temperature rises due to heat dissipation from SSRs within a cabinet can be too high for efficient operation. Simple ON/OFF control with the K8AB-TH can protect against overheating without the necessity and expense of running the fans continuously.

Output latch function with (front button) latch reset, SV protection and the choice of fail-safe/non-fail-safe relay operation.

Output Latch Enabled



Output Latch Disabled



Note: The output latch is reset using the reset button on the front or the external input terminal.

K8AB-TH models

Model	Supply voltage	Setting accuracy	Temperature setting range	Input type
K8AB-TH11S	100 to 240 VAC	1°C/°F	0 to 399°C/°F	Thermocouple (K, J, T, E) / PT100
K8AB-TH11S	24 VAC/VDC			
K8AB-TH12S	100 to 240 VAC	10°C/°F	0 to 1700°C/0 to 3200°F	Thermocouple (K, J, T, E, B, R, S, PLII)
K8AB-TH12S	24 VAC/VDC			

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