

Switch Position	R & S	K & N	0	1000°C	650°C	8	1320°C	850°C
Thermocouple Type	R & S	K & N	1	1050°C	675°C	9	1330°C	875°C
Thermocouple Type	R & S	K & N	2	1100°C	700°C	A	1340°C	900°C
Thermocouple Type	R & S	K & N	3	1150°C	725°C	B	1350°C	925°C
Thermocouple Type	R & S	K & N	4	1200°C	750°C	C	1360°C	950°C
Thermocouple Type	R & S	K & N	5	1250°C	775°C	D	1370°C	975°C
Thermocouple Type	R & S	K & N	6	1300°C	800°C	E	1380°C	1000°C
Thermocouple Type	R & S	K & N	7	1310°C	825°C	F	1400°C	1025°C

adjusted with a small flat bladed screwdriver:-

The trip temperature is set by switch SW1 mounted at the top of the trip module. This switch has 16 positions and can be

Trip Temperature Selection

Both the trip module and the SPS5.n should have the same type of thermocouple selected. The thermocouple type selected on the SPS5.n is J2. The thermocouple type selected on the SPS5.n will be either 'K', 'N', 'R' or 'S' type as indicated by the position of the yellow jumper link.

The thermocouple type selection jumper on the SPS8 is J1. Set the yellow jumper link on this to the same position as that on the SPS5.n

Thermocouple Selection

Safety



WARNING

**ISOLATE
BEFORE
REMOVING
COVER**

ISOLATE SPS5.n FROM ELECTRICAL SUPPLY BEFORE OPENING FOR INSTALLATION, CONFIGURATION OR REPAIR PURPOSES

Installation

Remove the lid of the SPS5.n. Remove the SPS5.n's red jumper plug J3 & discard. Check that the thermocouple type settings on the trip module and the SPS5.n match. Plug the trip module into the SPS5.n printed circuit board so that it mates both with J3 & PL1 on the SPS5.n. Check that the correct trip temperature has been selected. Replace the lid of the SPS5.n.

Characteristics (@20°C ambient)

Typical Error:	+17°C
Maximum Error:	-5°C to +35°C
Cold Junction Compensation:	Not compensated
Environmental:	As SPS5.n

The SPS8 has a trip temperature selection switch and a thermocouple type selection jumper. Both of these require setting before use. The thermocouple type selection jumper requires setting before the trip is installed into the SPS5.n because it cannot be accessed when the trip is fitted in place. The trip temperature can be set after installation.

Setting

In the event of an over-temperature condition the trip will operate. This is indicated by a normally hidden 'FAULT' legend illuminating in red on the SPS5.n's front panel. The trip module removes power from the switched outputs of the SPS5.n thus turning off the kiln contactor and any other factors that might be connected according to SPS5.n model e.g. damper contactor (SPS5.5) or vent fan contactor (SPS5.3). The only way of re-setting the trip is to turn off the mains supply to the SPS5.n, wait a few seconds then turn the power on again. If the fault is still present the trip will operate again after about 5 seconds.

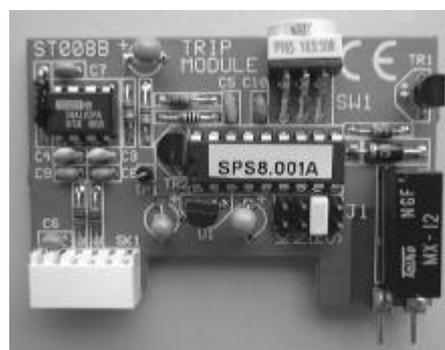
Operation

The SPS8 Temperature Trip Module is designed solely for internal fitment to the Stanton SPS5 range of temperature controllers. It is an optional safety device designed to protect kilns & furnaces from over-firing. It behaves like a resettable heat fuse.

Use



Operating Instructions For SPS8 Temperature Trip Module



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