

SL BLOCKTHERM C Self-limiting Block Heater

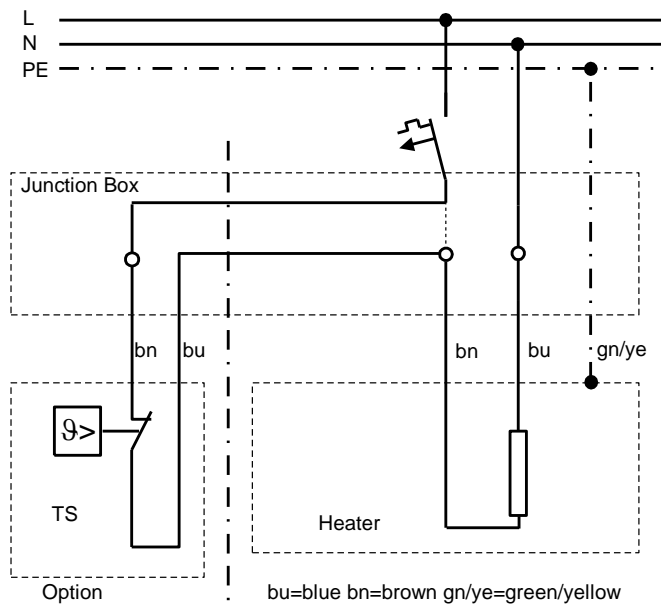
8 Temperature Limitation

PTC-Elements (**P**ositive **T**emperature **C**oefficient) raise their electric resistance with rising temperature. High resistance results in low heating power. The heating power is very low at high temperatures so that the temperature cannot exceed the maximum temperature of the respective temperature class.

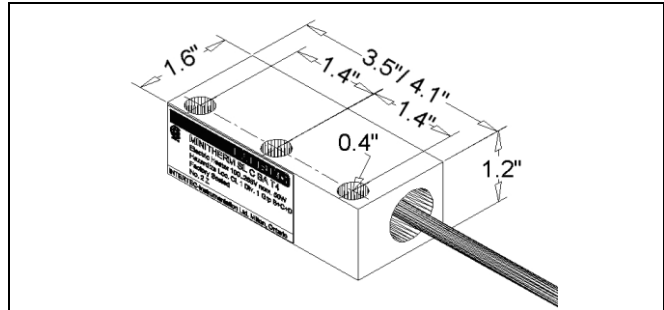
9 Supply Voltage

In addition to the above mentioned temperature characteristics, the PTC elements show a varistor effect. They control their resistance in accordance to the supply voltage. The nominal power supply voltage may be 110 to 277 V with the same heater. The output may be a maximum of 15% higher than that shown on the diagram on page 1.

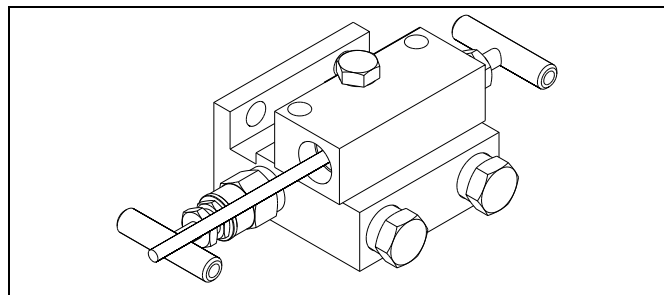
10 Electric Wiring



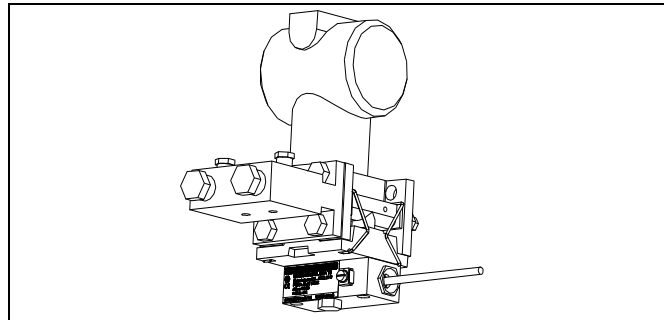
11 Dimensions



12 Mounting



The BLOCKTHERM heater dissipates the heat by conduction. It should be mounted to a flat surface of a heat conducting material (e.g. metal). One bolt is sufficient to mount the heater.



Example:

The SL BLOCKTHERM CKA T4, which is attached to a Fisher-Rosemount 3051H Transmitter by means of an aluminum adapter block, guarantees freeze protection for the transmitter, manifold and impulse lines installed in an INTERTEC Instrument Enclosure at an outside temperature as low as -13 °F/ -25 °C.

As well the SL BLOCKTHERM CKA T3 will provide protection to -49 °F/ -45 °C.