

PRODUCT: eSTAT10i – Electronic Thermostat

PROBLEM:

A general need existed in Residential and Commercial applications to address limitations of bulb and capillary (B&C) thermostats. Specifically, B&C thermostats by require a tedious and extended calibration routine yet will still drift over time, are prone to failure and have other shortcomings.

ELAN SOLUTION:

Elan developed an electronic equivalent with metal shaft and electronic internals that fits into the same footprint as a B&C thermostat and uses a highly accurate RTD temperature probe input. The control requires no calibration on the manufacturing line.

RESULTS:

One OEM used Elan's eSTAT10i to replace nearly every B&C thermostat previously used. In addition, operating features were implemented for faster preheat, variable temperature offsets, etc. To the end customer the look is the same, but the performance is far beyond the B&C it replaced. In addition, the thermostat can be provided to the OEM with multiple models programmed in at n/c, accessed via a header block, to replace multiple SKU's previously required to support.

