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Incorrect wiring of the STE-6013 Room Temperature Sensors

Applicable models

STE-6013 Room Temperature Sensors manufactured in 2009.
(STE-6015 sensors have a modular jack and are not affected by this issue.)


STE-6013
and
STE-6015

Problem and solution

There has been confusion about the correct wiring of these sensors because of a number of factors. **The correct wiring is shown in Illustration 1.**

Boards for these sensors manufactured from 2004 to 2008 had the silk-screen labels “upside-down” when viewed from the installation orientation. (See Illustration 2.) Unlike most other STE-6000 series sensors, terminal D (10 VDC Supply) is toward the floor instead of toward the ceiling. In 2009, revised boards were manufactured with the terminal labels inadvertently covered by the terminal block. In installation guides before Sept. 2009, the wiring diagram showed terminal D at the top (like the other sensors). When installers wired an unlabeled top terminal as if it were terminal D, the sensor did not work.

Whether labeled or not, **wire all STE-6013 sensors as shown in Illustration 1, with thermistor terminal C (not D) at the top** (toward the ceiling after installation). Terminal D should be at the bottom (toward the floor). (Future boards will correctly show the labels.)

For more information on installing and operating these sensors, see the STE-6010/6011/6013/6015 Room Temperature Sensors Installation Guide, P/N 866-019-03A or later. (Other STE-6000 series sensors have separate installation guides.)

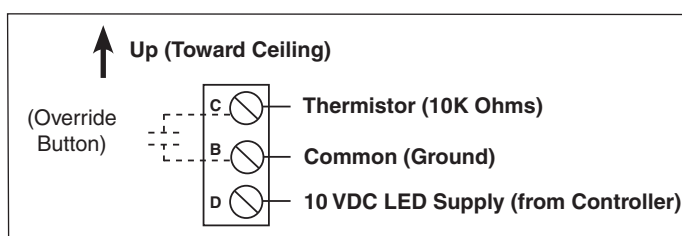


Illustration 1—Correct Wiring (Installation View)

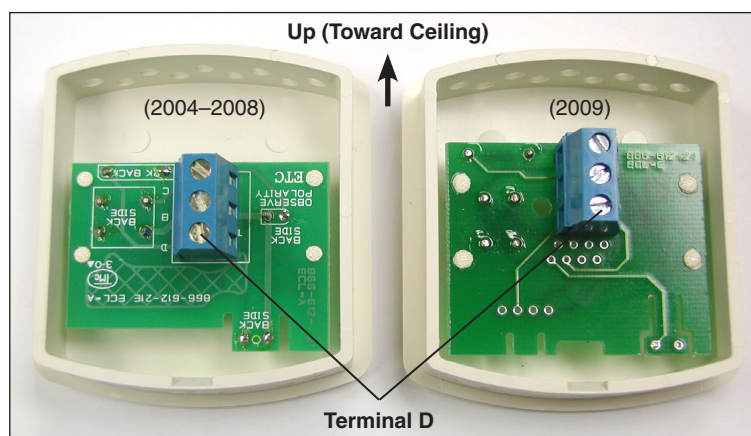


Illustration 2—Board Versions