

How to Convert Spectrum® to Red Board Systems Retrofit Kit

Overview

The Spectrum® dryer controller can be replaced with a Red Board Systems Retrofit Kit on a dryer by:

- (1) Adding inlet and outlet moisture sensors to the dryer;
- (2) Installing a communications cable between the Red Box of the Retrofit Kit and the dryer control panel; and
- (3) Following the instructions for converting a Quantum dryer controller to the RBS Retrofit Kit
(see:
https://www.redboardsystems.com/downloads/Red_Board_System_Install_v3.pdf).

Notes regarding Step 1: Adding Inlet and Outlet Moisture Sensors

- (a) The inlet and outlet moisture sensors are included in the RBS Retrofit Kit.
- (b) The sensor cable that runs between each moisture sensor and the dryer control panel can be Belden Part No: 88102-500, or equivalent.
- (c) Installation of the inlet moisture sensor may require a special mounting bracket, such as Brock® Part No: 3726-00033. Alternatively, the mounting bracket may be crafted in-house by the Dealer.
- (d) Be sure to follow the guidelines for running the sensor cable found at https://www.redboardsystems.com/downloads/Grounding_Reqs_v1.pdf, otherwise noise and grounding issues may occur.

Notes regarding Step 2: Installing a Communications Cable

- (a) The communications cable can be Signal Part No: 182-SNP-SIG SHLD 95214-06-09, or Belden Part No: 8760, or equivalent.
- (b) Similar to the sensor cable above, be sure to follow the guidelines for running the communications cable found at https://www.redboardsystems.com/downloads/Grounding_Reqs_v1.pdf, otherwise noise and grounding issues may occur. For example, among other things, the communications cable should be run in conduit with no other wiring, excess cable should not be coiled inside the dryer control panel, etc.