

Using FusionAir Smart Sensors with older controllers

Summary

CBX and some older CBXi, FBXi and FBVi controllers do not supply sufficient power on their sensor port for a FusionAir Sensor using its LED accent lights at full power. It is recommended that in these cases the FusionAir devices are connected to an external power source.

Background

The CBXi range of controllers was updated with increased power on the Sensor bus. The CBX range did not receive this upgrade.

Features

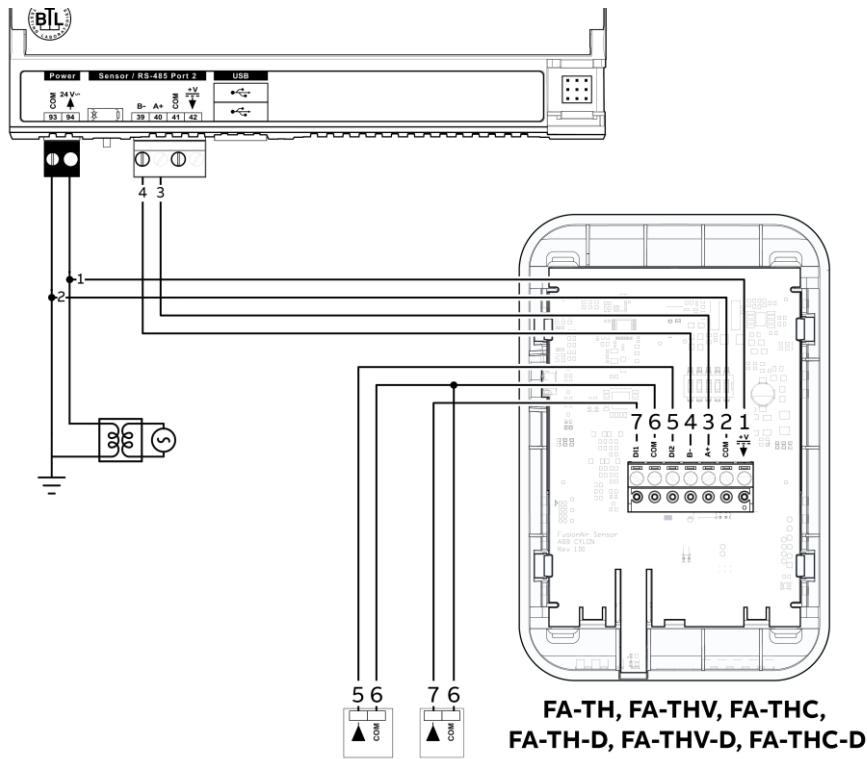
The Sensor port on following controllers can supply power for a single FusionAir device with full accent lights:

- CBT-4T4-2U1R
- CBT-3T6-5R
- CBV-2U4-3T
- CBXi-8R8 and CBXi-8R8-H from serial number **CBXixxxxxG** onwards
- FBXi-X256 from serial number **FBXixxxxxG** onwards
- FBVi-2U4-4T from serial number **FBVixxxxxD** onwards

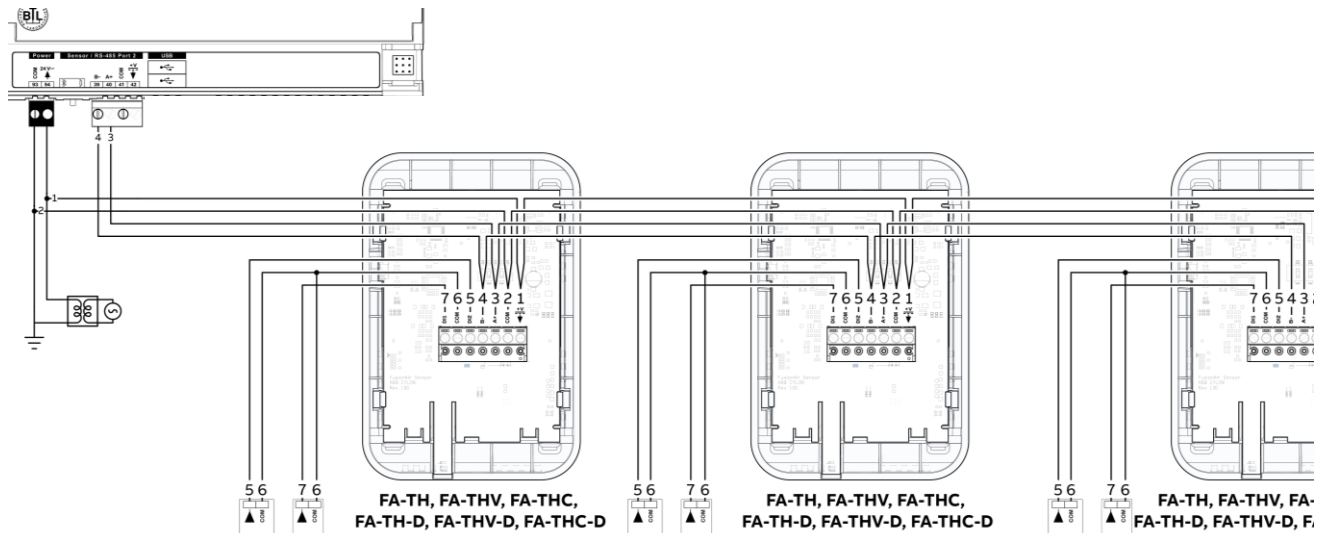
For the following controllers however, the power line for the sensors should be taken from an external 24 V source:

- CBX-8R8 and CBX-8R8-H
- CBXi-8R8 and CBXi-8R8-H serial number **CBXixxxxxF** or earlier
- FBXi-X256 serial number **FBXixxxxxF** or earlier
- FBVi-2U4-4T serial number **FBVixxxxxD** or earlier.

For these controllers, the power line for the sensors should be taken from an external source as illustrated below:



For all controllers, when multiple FusionAir devices are connected to a sensor bus, the power should be connected to an external source:



Customer Impact

This applies to all customers using FusionAir Smart Sensors with CBX controllers. Those with CBXi, FBXi or FBVi controllers should check the PCB version number.