

Replacing passive FA-T sensors with Active digital FusionAir units

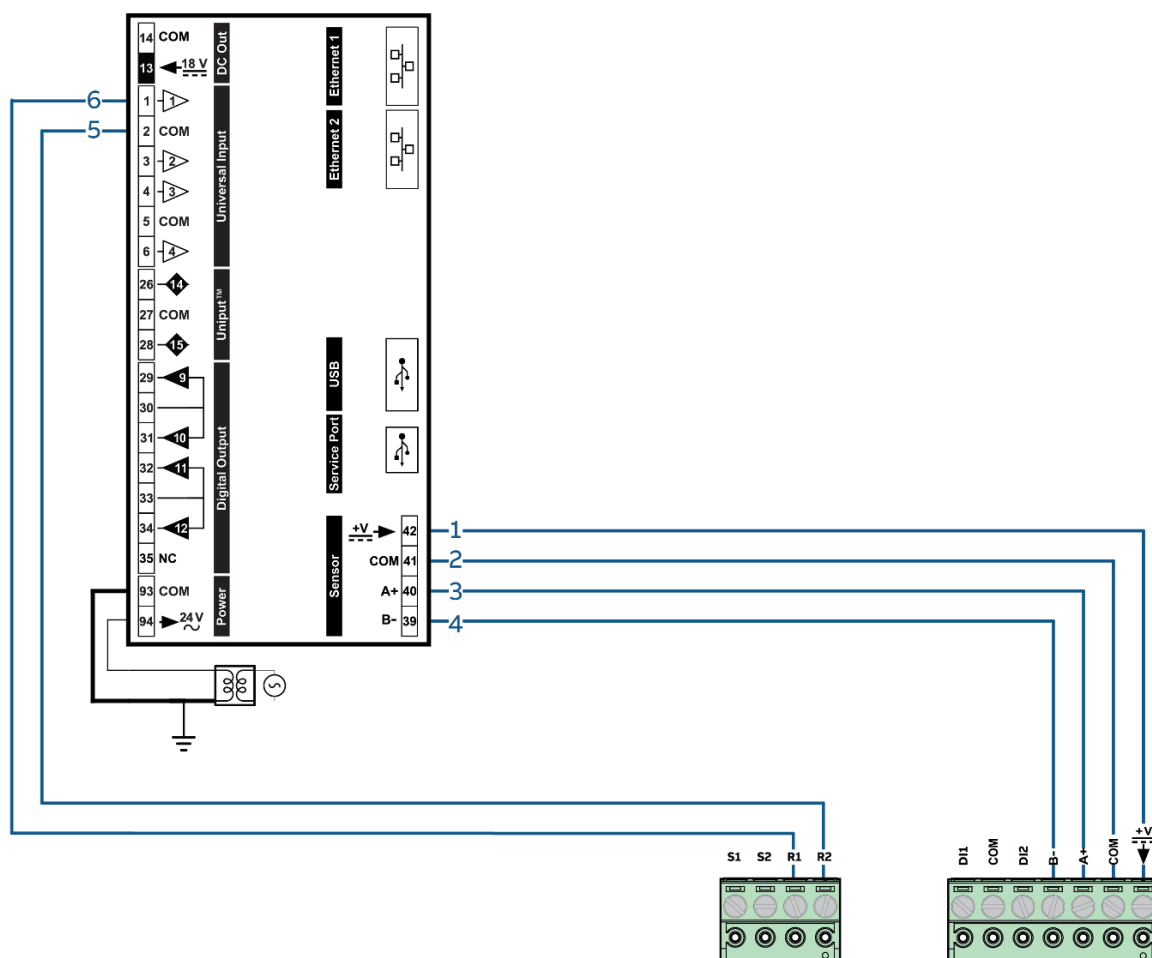
In a situation where passive FusionAir Sensors (FA-T) are to be installed initially to FBVi-2U4-4T terminal unit VAV controllers, then swapped out for Active Digital FusionAir units at a later date, it is suggested that wiring be installed as illustrated below.

Plug Terminals for both Passive and Active units should be wired as shown at initial installation if possible. This avoids the possibility of shorts resulting from wires left 'dangling' without requiring careful taping. It also means that swapping to active units becomes a much simpler and quicker task.

The FBVi-2U4-4T has a default configuration of a temp sensor (10K Type III) on Universal Input 1. Passive FA-T units (4-way terminal) can be connected to this Universal Input.

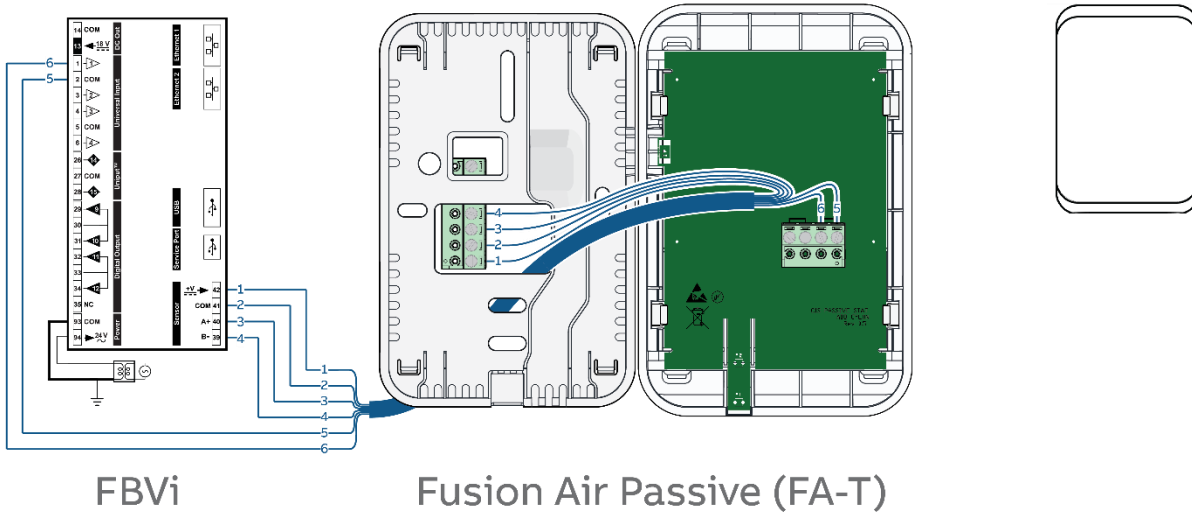
WIRING

A 7-way terminal block can be attached to the Sensor Port as shown for future connection of the Active Digital FusionAir sensor.



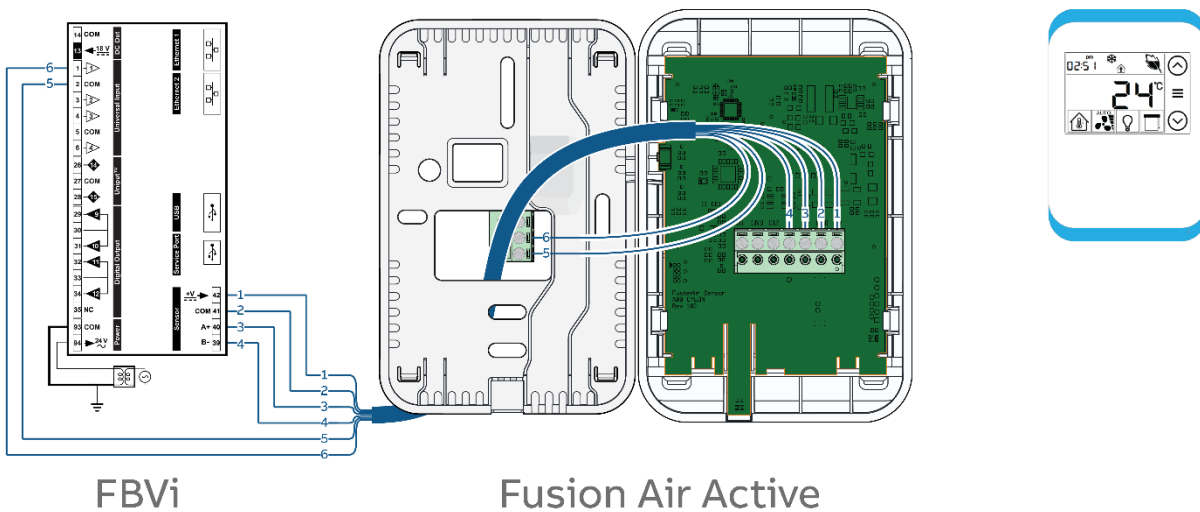
PASSIVE FA-T SENSOR

At the location of the FusionAir Sensor, the wired 7-way terminal should be stored in the wall box until required for connection to the Active Digital FusionAir sensor.



ACTIVE DIGITAL FusionAir UNIT

When the unit is swapped for an Active unit, the 7-way terminal block would be used instead, and the 4-way block can be placed in the wall box / cavity as shown



CONFIGURATION

The FBVi strategy should ideally be designed to support both the passive FA-T sensor and active FusionAir without any strategy or configuration changes.