

Application Note

Grundfos VFS Flow Sensor Support

Background

The Apollo devices are compatible with the Grundfos VFS Flow Sensors to provide accurate flow measurements. This App note describes how to properly connect the VFS sensor to the Apollo device.

Supported VFS Sensors

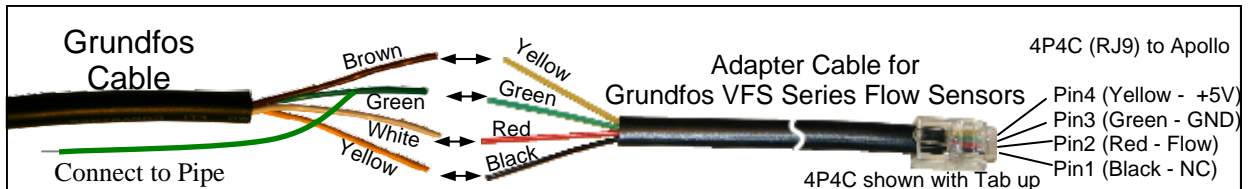
The following is a list of the supported VFS Sensors:

- VFS 1-20
- VFS 2-40
- VFS 5-100
- VFS 10-200
- VFS 20-400

VFS Sensor Connection

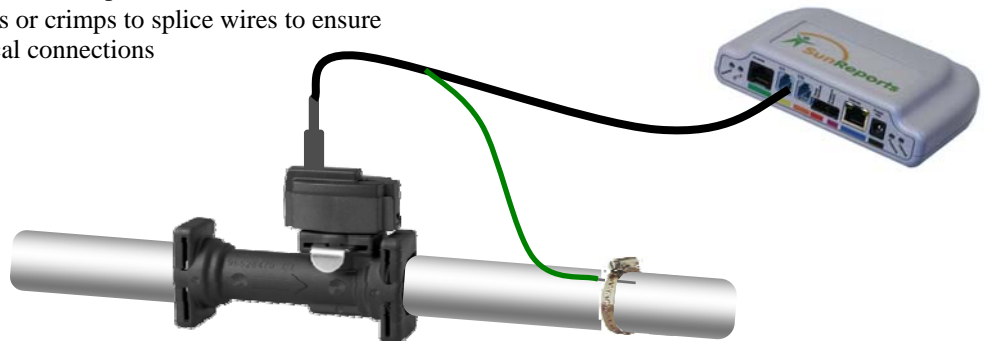
Using the ‘Grundfos Adapter Cable’ included with the Apollo system, splice the adapter cable to the Grundfos cable as shown below. Note if there is a connector on the Grundfos cable, it will need to be cut off to splice the cables together.

Ensure the Grundfos sensor ground (Green wire) is connected to the Apollo adapter cable and the pipe. The Pressure Switch wire included with the Apollo may be re-purposed for this.



Important Instructions:

- Connect the Grundfos ground (Green wire) to the Apollo Ground (Green wire of the adapter cable)
- Connect the Grundfos ground (Green wire) the pipe using a hose clamp or similar
- Use wire nuts or crimps to splice wires to ensure good electrical connections



Note: If the Grundfos VFS sensor is not properly grounded to the Apollo and the pipe, it may not provide accurate flow measurements