

Plumbing Manifold Breakdown, 8 Outlets

Manual ON/OFF **Check Valve**

When 'ON', acts like check valve. When 'OFF', turns off flow for maintenance/etc.



Flowmeter Jetpatent pending

Stabilizes the flow across the flowmeter paddle wheel for more accurate and consistent readings Color coded to flow range. (Green/Red/Blue/Black)

Flowmeter Body patent pending

Sensor is inserted into [rear side] housing. Relays pulse feedback to product node.



ORS Outlet/Inlet Fittings

A variety of sizes and types of fittings can be used from the O-ring Seal (ORS) outlet family. From Hose Barbs, to threads, to quick-connect tube.



ORS Metering Orifice [Optional*]

If manifold is being used to meter liquid flow, use orifice. If metering orifice exists in system elsewhere, ignore ORS metering orifice.

[Optional] ORS Strainer [not to scale] 50 Mesh ORS Strainer Assembly Housing + Strainer Cartridge



ORS Tee [not to scale] Center-feeds a plumbing manifold with an ORS Inlet



ORS Manifolds [not to scale]

O-ring seal manifolds are available in 1-4 outlet varieties. Common U-clip design connects to any ORS fittings.



ORS End-Cap [not to scale] An end-cap is used to terminate any manifold end.



Manifold, 8 Outlets



FLOW

Part No. EFM Plumbing Manifold, 8 Outlet

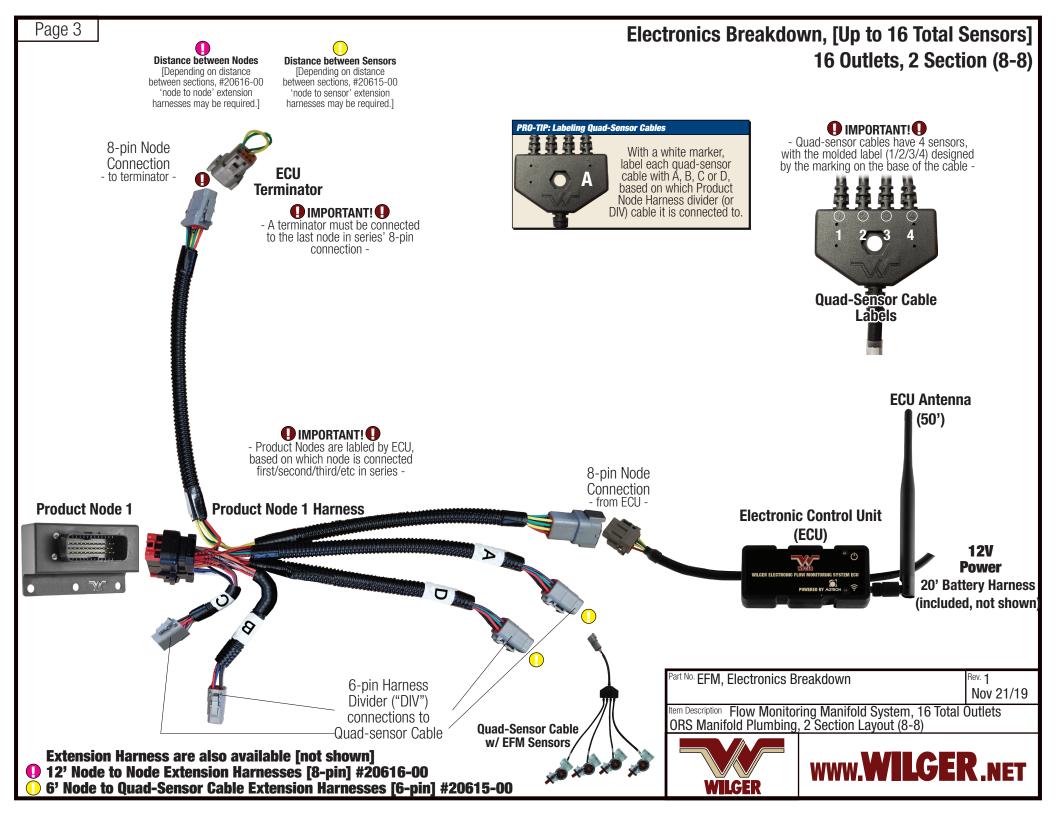
Rev. **1** Nov 21/19

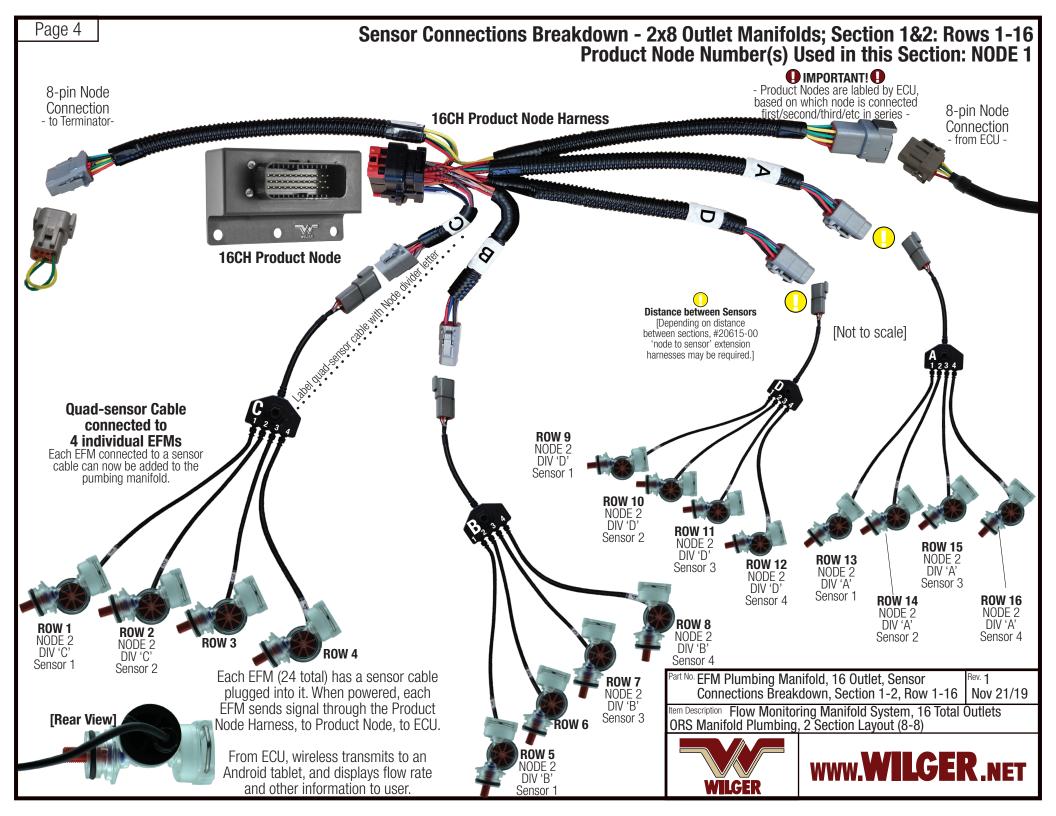
Item Description Flow Monitoring Manifold System, 16 Total Outlets ORS Manifold Plumbing, 2 Section Layout (8-8)



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Page 5

NOTE: The following may look different depending on app version being used, but in essence, will be the same. Follow the manual for the most up-to-date reflection of the app.

How To Label Sensors For Entry Into Android APP - Outlets 1-16 on Single Product Screen [PRODUCT NODE 1]

After completely setting up the ECU Settings Screen , enter the Sensor Setup Screen , which allows you to enter each respective product sensor in it's correct position, relative to the ECU.

While sensors do not have to be connected in consecutive order as laid out on your application implement, they do have to be entered accurately within the app to reference properly on the display.

The below example screen is only ONE depiction of how to set a screen up. For convenience, you can customize

the layout of the outlets on up to 10 'section' pages.

For simplicity, for a 16 outlet implement, it will be shown on one screen, showing 16 consecutive outlets or rows.

We have to 'label' a sensor, based on its location. The label is derived from its:

PRODUCT NODE#: NODE 1

 Product Nodes are labled by ECU, based on which node is connected first/second/third/etc in series -

QUAD-SENSOR CABLE DIVIDER [DIV] LABEL: A / B / C / D

● IMPORTANT!

- Quad-sensor divider labels are labeled on the node harness itself, labeled with either an A. B. C. or D -

SENSOR CABLE [SNR] LABEL: 1/2/3/4

● IMPORTANT!

- Sensor cable labels are molded (or labeled) on the actual quad-sensor cable, with either a 1/2/3/4. Ensure you refer the sensor label correctly. -

Electronic Flow Monitoring Sensor Setup 10 5 9 Liquid Nitrogen Change **Product** 3 NODE DIV SNR **NODE** DIV SNR **NODE** DIV **SNR** 9 C D N/A 2 10 D N/A 3 3 11 D 3 N/A 4 12 N/A 5 13 N/A Æ 6 14 N/A **-**F 7 В 3 15 N/A 8 16 N/A

Physical Row Description

This is manually added to depict which row this is on the implement.

For example, if a section begins at row '16', this cell can be entered as "16", etc. In this example, it began at **ROW 1**.

[NODE] PRODUCT NODE

If the sensor is connected to the 16CH PRODUCT NODE #1 harness, ensure under NODE, it is listed as '1'.

Ensure a sensor's [NODE] corresponds with its correct NODE #.

In this example, sensors 1-16 began at **NODE 2**.

[DIV] QUAD-SENSOR CABLE HARNESS LABEL

Select A / B / C / D based on the corresponding node harness cable that a quad-sensor cable is attached to.

in our example, the first rows are attached to **DIV C**, as shown in the system overviews.

[SNR] SENSOR CABLE LABEL

Depending on the sensor cable's number (1/2/3/4) that is molded into the quad-sensor cable housing, enter the sensor number with the corresponding outlet.

Since our first sensor is capped, in our example, **SNR 1** is the first row of product on the implement.

How to Read the Sensor Location (Eg. Location 1A2)

After entering your sensor locations as you'd like your rows laid out, you can read & verify each line of the example as follows:

Outlet/Row 14 is connected to SENSOR 2 or [SNR 2] on the quad-sensor cable, connected to the Node Harness Cable 'A' or [DIV A], which is connected to Product Node 1 or [NODE 1].

Part No. EFM App, 16 Outlet, 2 Section (8-8) Sensor Connections Breakdown, APP v2.6.1 Rev. 1 Nov 21/19

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