1. WARNING: This drawing does not illustrate completely the installation methods required for hazardous locations. Prior to any installation in a Classified Hazardous Location, verify installation methods by the Control Drawing referenced on the product’s name tag and national and local codes.

Dip Switch factory default address is set at 0. If another COMM INTERFACE TFI0 is added, move that Dip Switch setting to 1. If more are added, use the next address in line for each.

Changing the address applies only to TFI0s of their own type, and not TFI0s of another type; those would also start at 0 and add new address of their own.

TIP: While 0 is recommended for the first one, any address can be used (But keep in mind the original config files in our software are built with this address and factory tests will look for it).

Tag displayed on side of TFI0

2. LED Indicators on TFI0:
Run LED – Blinking indicates on-board PIC running.
Activity LED – Blinking indicates buss activity.
Mode LED – 00 = Normal 01 = Reset

3. LED Operation:
Register 0.7.7 = 0 – Power Save Mode (LEDs off when MMI disconnected)
Register 0.7.7 = 1 – LEDs on all the time.

4. Must have a Communications application instantiated for each COMM Module

FreeWave Radio
(Rotated For Clarity)

Totalflow Cable Assy
P/N 2100759-001

RS232 / RS485
RS232 / RS485
J1 Pin 1 - CTS / RCV+
J1 Pin 2 - RXD / RCV-
J1 Pin 3 - GND
J1 Pin 4 - VBATT
J2 Pin 1 - RTS / XMT+
J2 Pin 2 - TXD / XMT-
J2 Pin 3 - Gnd
J2 Pin 4 - SWVBATT

FreeWave Radio

RUN
ACTIVITY
MODE

3-1
4-0

-00 NORMAL
-01 RESET

TOTALFLOW
Products
L19633

ABB

TFIO COMM INTERFACE MODULE (2100421)
TO FREEWAVE RADIO (RS-232)

REFERENCES
NA

2103074
AA
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