NOTES:
1. WARNING: This drawing does not illustrate 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.
2. WARNING: Using a non-factory cables may result in damage and may void system warranty.
3. Jumper is not part of the 210339-001 cable; it must be supplied separately.
4. For switched power or to enable Power Scheduler for UCI2, remove the jumper from 1 to 9 on P1 of UCI2.

WARNING: Power at J17 (up to 30 Vdc) is applied to the MDS radio are 12 Volt devices. These cables are valid only when using 12 V battery powered systems.

Jumper at J16 sets the Power Options:
- For External Power Source: Jumper Pin 2 to Pin 3.
- For Solar & Battery Power, Jumper Pin 1 to Pin 2.

For switched power or to enable Power Scheduler for UCI2, remove the jumper from 1 to 9 on P1 of UCI2.

- WARNING: Using a non-factory cables may result in damage and may void system warranty.
- Jumper is not part of the 210339-001 cable; it must be supplied separately.
- For switched power or to enable Power Scheduler for UCI2, remove the jumper from 1 to 9 on P1 of UCI2.

Totalflow Cable Assy
P/N 2011648-001
(for battery configuration only)
Note: The UCI and the MDS radio are 12 Volt devices. These cables are valid only when using 12 V battery powered systems.

To phone company if using phone line.

Totalflow Cable Assy P/N 2011648-001
(see sheet 2)

NOTES:
1. WARNING: This drawing does not illustrate 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.
2. WARNING: Using a non-factory cables may result in damage and may void system warranty.
3. Jumper is not part of the 210339-001 cable; it must be supplied separately.
4. For switched power or to enable Power Scheduler for UCI2, remove the jumper from 1 to 9 on P1 of UCI2.

WARNING: Power at J17 (up to 30 Vdc) is applied to the MDS radio are 12 Volt devices. These cables are valid only when using 12 V battery powered systems.

Jumper at J16 sets the Power Options:
- For External Power Source: Jumper Pin 2 to Pin 3.
- For Solar & Battery Power, Jumper Pin 1 to Pin 2.

For switched power or to enable Power Scheduler for UCI2, remove the jumper from 1 to 9 on P1 of UCI2.

- WARNING: Using a non-factory cables may result in damage and may void system warranty.
- Jumper is not part of the 210339-001 cable; it must be supplied separately.
- For switched power or to enable Power Scheduler for UCI2, remove the jumper from 1 to 9 on P1 of UCI2.

Totalflow Cable Assy
P/N 2011648-001
(for battery configuration only)
Note: The UCI and the MDS radio are 12 Volt devices. These cables are valid only when using 12 V battery powered systems.

To phone company if using phone line.
PRIMARY SETUP ITEMS FOR THESE MDS RADIOS:

1. Mode R.
2. ADDR XXXX - where (xxxx) is radio’s address, which is also the same as the Master Radio’s Address.
3. SLEEP ON.
4. BAUD 9600 8n1 - (other baud rates can be used but needs to match flow computer’s baud rate).

Note: Typically, all other setup items can be left in their default state, except for the following radio-specific changes:

Recommended changes for X710 “A” model GE MDS radios

Remove Request to Send (RTS) wire from the Totalflow connected device. RTS is not required on “A” radios and could be a source for spurious unintended transmissions (chirping). Tie this wire back and tape so that it doesn’t make electrical contact with any other electrical wiring or ground source.

GE MDS software setting changes:
DATAKEY = ON, set to on so that the radio will key on data without the need for RTS from the Totalflow device.

PTT delay = 30 milliseconds, defaults to 0, change to 30 to eliminate the spurious unintended transmissions (fast chirping) in the 5-25 milliseconds range.

Recommended changes for X710 “B” model GE MDS radios

GE MDS software setting changes:

PTT delay = 30 milliseconds, defaults to 0, change to 30 to eliminate the spurious unintended transmissions (fast chirping) range in duration from 5-25 milliseconds

NOTE: Request to Send (RTS) must be utilized on all “B” radios for proper operations.

Totalflow Cable Assy
P/N 2103990-001
(for battery configuration only)
Note: The UCI and the MDS radio are 12 Volt devices. These cables are valid only when using 12 V battery powered systems.

Note: The UCI and the MDS radio are 12 Volt devices. These cables are valid only when using 12 V battery powered systems.

REF: N/A