NOTES:

1. WARNING: This drawing does not completely 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. LED Indicators:
   - 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. The RTD leads attached to this device must not contact any external voltage source. Damage to the device will result from connection between the thermocouple leads and the ignition system, or any AC or DC power source.
   - Do not run in the same conduit as ignition or other high-energy wires. Keep secondary wires to spark plugs and other high-voltage wiring at least 8 inches away from thermocouple and extension wiring.

5. If it becomes necessary to check the thermocouple with an ohmmeter or some other type of checker, first unplug the RTD connector at the module. This will prevent possible damage to the Module’s sensitive low-voltage detection circuitry.

There are 4 configurable points available on the RTD Module. The module is designed to monitor temperatures using 4-wire 100Ω Platinum RTD probes with a Temperature Coefficient of 0.00385Ω/Ω°C.

Connect the Shield GND from the RTD Probe cable at the enclosure end of the cable to the Chassis GND Lug located on the bottom of the enclosure.

Dip Switch factory default address is set at 0. If another 4CH/RTD TFIO 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 TFIOs of their own type, and not TFIOs of another type; those would also start at 0 and add a 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).