

# Drawing 907GA826

(For Model 5400A)

## Hazardous Location

### In USA:

Class I, Groups A, B, C and D  
Class I, Zone 0, Group IIC  
Class II, Groups E, F and G

### In Canada:

Class I, Groups C and D  
Class I, Zone 0, Group IIB  
Class II, Groups E, F and G

## Non-hazardous Location – 5400AXXX

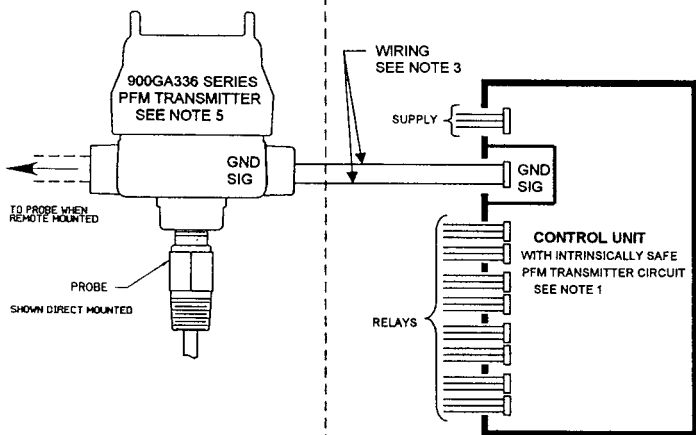


FIGURE 1

## Hazardous Location

### In USA:

Class I, Groups A, B, C and D  
Class I, Zone 0, Group IIC  
Class II, Groups E, F and G

### In Canada:

Class I, Groups C and D  
Class I, Zone 0, Group IIB  
Class II, Groups E, F and G

## Non-hazardous Location – 5400ADXXX

### In USA:

Class I, Group D  
Class I, Zone 1, Group IIA  
Class II, Groups E, F and G

### In Canada:

Class I, Groups C and D  
Class I, Zone 1, Group IIB  
Class II, Groups E, F and G

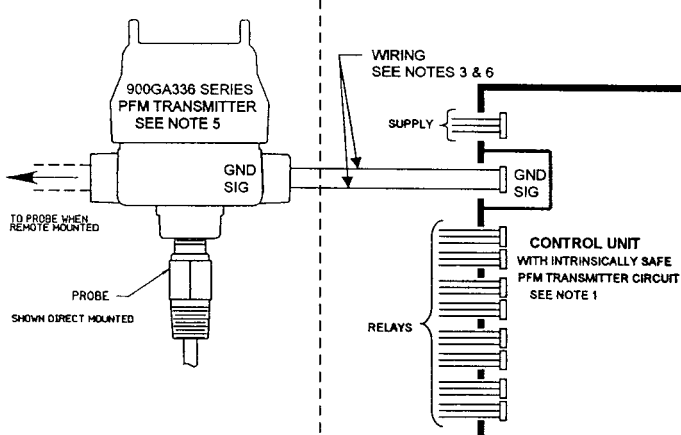


FIGURE 2

## Notes:

- When connected as shown the PFM transmitter and probe are intrinsically safe for hazardous locations:

### In USA:

Class I, Division 1, Groups A, B, C and D  
Class I, Zone 0, Group IIC  
Class II, Division 1, Groups E, F And G  
Class III

### In Canada:

Class I, Division 1, Groups C and D  
Class I, Zone 0, Group IIB  
Class II, Division 1, Groups E, F and G  
Class III

- Grounds on the controller 5400A I.S. gnd terminal must be connected to earth gnd of the AC feeder supply Circuit. resistance must not be less than 1 OHM.
- Intrinsically safe wiring must be installed in accordance with article 504 of the NEC ANSI/NFPA 70 and ISA RP12.6 or, if applicable, with the Canadian electrical code.

Maximum length of wiring:

In USA: 333 Feet  
In Canada: 1000 Feet (305 M)

- Tighten field wiring terminal screws TO 5 pound-inches (0.56 Nm).
- PFM transmitter shall be installed in accordance with PFM transmitter installation instructions.
- When the control unit has an explosion proof enclosure, the control unit conduits shall be sealed within 18 inches (46 Cm).