

# RF-9000 Series



- EZ-CAL® - pushbutton calibration
- Dual mounting - 3/4" or 1 1/4" NPT
- Remote calibration option - up to one mile away
- "Test-In-Place" function test electronics
- Thirteen sensing probe options
- 3A sanitary certification available

**Note 1:** Not for use with assembly configuration "N".

**Note 2:** UL approved to CSA standards.

**Note 3:** For 3A Sanitary Certification, add "3A" at end of the Model Code. Configuration "S" must be used, and either "Type 2" Food Grade probe or "Type 4" Stub probe.

**Note 4:** Thickness of probe must be specified: 3/8", 1/2", 5/8", or 3/4" wall thickness.

Consult factory before applying the RF-9000 in temperatures over 160°F (71°C).

Consult factory for application approval.

Consult factory for details on agency listing.

## Specifications and Ordering Information

### Electrical Specifications

Line Voltage	120VAC ± 15%, 240VAC ± 15%, 50/60 Hz, 24VDC
Power	4 Watts
Output Relay	DP/DT, 5 amps at 120VAC
Temperature Range	-40°F to +160°F (-40°C to +71°C)
*Sensitivity Settings	DIP Switch Selectable 1 through 15 pF
Time Delay	DIP Switch Selectable 1, 2, 4, 7 seconds
Calibration	Pushbutton Electronics with Remote Capability

\*Unit has a high sensitivity electronic board with .5 pF rating when choosing model "D" Electronics.

### Model Selection:

#### Refer to Probe Selection Guide

RF9 - - - - -

#### Assembly Configuration

A = 3/4" S.S. & 1 1/4" Aluminum & Flush Mount  
B = Pipe Ext. Probe, S.S. Coupling  
C = Pipe Ext. Probe, Plated Coupling  
S = Sanitary Fitting 1" or 1 1/2" tri-clamp size (See Note 3)  
N = 1 1/4" Alum. Only (Enclosure Type G or D Only)  
H = 3/4" Hastelloy C (for Teflon® probes only)

#### Voltage

1 = 120VAC  
2 = 240VAC  
3 = 24VDC  
4 = 12VDC  
5 = 24VAC  
6 = 48VAC

#### Enclosure Type

G = General Purpose NEMA 4X  
X = Explosion-proof NEMA 7/9 - UL Listed/C-UL Listed (See Note 1 and 2)  
S = NEMA 4X, 304 S.S.  
B = Explosion-proof NEMA 7, 9  
D = Dust Ignitionproof for "J" Probe Only  
E = NEMA 4X, Epoxy

#### Probe Type

0 = Standard  
1 = Standard, Kynar® Coated (Max. Length 60" or 1524mm)  
2 = Food Grade  
4 = Stub  
5 = Heavy Duty  
6 = Heavy Duty Kynar® Coated  
7 = Dome Flush mount (Configuration "A" Only-Spec.Thickness) (See Note 4)  
8 = Flush Mount (Use "A" Configuration Only)  
A = Armored Food Grade (Use "A" Configuration Only)  
J = Jumbo Probe (Use "N" Configuration Only) ( Enclosure Type G or D Only)  
T = Teflon® Jacketed Standard Probe  
U = Teflon® Jacketed Heavy Duty Probe  
F = Fly Ash Probe

#### Electronics

C = Standard Sensitivity With Function Test (1 pF, 4 pF and 10 pF)  
D = Sensitivity Modification (.5 pF) with Function Test

#### RF-9000 Radio Frequency Type Series