

RF-8000 Series



Specifications and Ordering Information

Electrical Specifications

Line Voltage	120VAC ± 15%, 240VAC ± 15%, 50/60 Hz, 24VDC ± 4VDC, 12VDC ± 4VDC
Power	4 Watts
Output Relay	DP/DT, 5 amps at 120VAC
Temperature Range	-40°F to +160°F (-40°C to +71°C) Medium & Low Sensitivity Setting -20°F to +125°F (-20°C to +50°C) High Sensitivity Setting
Sensitivity Settings	2 through 9 Picofarads- "O" Electronics 1 through 8 Picofarads- "A" Electronics
Time Delay	1, 7, 14 Seconds (Selectable)
Calibration	Two-Step Manual

- Best priced sensor
- Dual Mounting- 3/4" or 1 1/4" NPT
- Manual 2-step calibration
- Single board electronics
- RF8-*_*_*_*_N- 1 1/4" NPT mount for dry material only-general purpose only
- Potted electronics for high vibration applications
- 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 Certificate, 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.

Consult factory before applying the RF-8000 in temperatures over 160°F (71°C).

Consult factory for application approval.

Model Selection:

Refer to Probe Selection Guide

RF8 - - - - -

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)
(Consult factory for agency listing)
- 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)
- D = Dust Ignitionproof for "J" Probe Only

Probe Type (Note 1)

- 0 = Standard
- 1 = Standard, Kynar® Coated (Max. Length 60" or 1524mm)
- 2 = Food Grade
- 4 = Stub
- 5 = Heavy Duty
- 6 = Heavy Duty Kynar® Coated
- 8 = Flush (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

- O = Standard (2 pF)
- A = Sensitivity Modification (1 pF)
- H = Potted Electronics (2 pF)
- I = Potted Electronics (1 pF)

RF-8000 Radio Frequency Type Series