RF-9100 & RF-9200 Series Integral Unit



Specifications and Ordering Information

Electrical Specifications

Line Voltage	120VAC ± 15%, 240VAC ± 15%, 50/60 Hz, 24VDC (factory options)
Power	4W @ 120VAC, 4W @ 24VDC, 5W @ 28 VDC
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	External Spring Magnet on RF-9100 or fob magnet on RF-9200

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

Model Selection:

Type of Calibration (See Note 4)

2 = "Fob" Calibration and Function Test RF-9100/9200 Radio Frequency Type Series

1 = External Spring Calibration

Refer to Probe Selection Guide 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) 1 = 120VAC2 = 240VAC 3 = 24VDC4 = 12VDC5 = 24VAC**Enclosure Type** G = General Purpose NEMA 4X X = Explosion-proof NEMA 7/9 - UL Listed/C-UL Listed (See Note 1 and 2) B = Explosion-proof (ATEX Only 9200) D = Dust Ignitionproof for "J" Probe Only E = NEMA 4X, Epoxy = NEMA 4X, 304 S.S. (See Note 6) 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 5) 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 D = Sensitivity Modification (.5 pF) with Function Test $M = Callbration\ Indication\ Output\ Relay - Standard\ Sensitivity\ w/Function\ Test \\ N = Callbration\ Indication\ Output\ Relay - .5\ pF\ Sensitivity\ w/Function\ Test$

RF-9100 Series

- Spring mounted calibration magnet (fob magnet required for test feature)
- "Test-In-Place" and EZ-CAL® without removing the cover
- Standard function test electronics
- Calibration "LED" on cover
- Alarm "LED" on cover
- 3A sanitary certification

RF-9200 Series

- Calibration and test are accomplished with "fob" maanet
- "Test-In-Place" and EZ-CAL® without removing the cover

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: External calibration fob for "Type 2" calibration, C, D, M & N electronics must be ordered as a separate part (LRF130119). Note 5: Thickness of probe must be specified: 3/8", 1/2", 5/8", or

Note 6: External calibration and test is inoperable with stainless steel enclosure.

Consult factory before applying the RF-9100 or RF-9200 in temperatures over 160°F (71°C).

Consult factory for application approval.

Consult factory for details on agency listing.