



NITROGEN-PAC ACCESSORIES

**CORROSION MONITOR ASSEMBLY
MODEL CMA-1**

Description

The UNITED Fire Systems Model CMA-1 is a device for monitoring the possible corrosion inside of a wet or dry sprinkler system piping. The assembly consists of a corrosion probe in a chamber, a pressure switch, an isolation valve, and a drain valve. The corrosion probe keeps pressure from reaching the pressure switch. When corrosion perforates the probe, pressure reaches the pressure switch, actuating a signal and providing early warning of possible corrosion inside the piping. The isolation valve allows replacement of the corrosion probe without depressurizing the entire system, and the drain valve safely vents pressure from the probe chamber.

Technical Data

- Inlet Connection = 1/2" NPT female
- Pressure Switch Setting Range = 4 to 8 PSIG
- Switch Contact Ratings = 10 A @ 125 / 250 VAC
2 A @ 30 VDC
- Maximum Recommended Inlet Pressure = 300 PSIG

Ordering Information

Model CMA-1 includes:

- Qty. (1) pressure switch
- Qty. (1) corrosion probe
- Qty. (1) probe chamber
- Qty. (1) isolation ball valve
- Qty. (1) drain ball valve
- Qty. (1) pipe union to facilitate installation

Unit is factory assembled – do not disassemble at installation. Follow instructions provided with replacement probe kit UFS P/N 30-500013-100 when replacement is required.

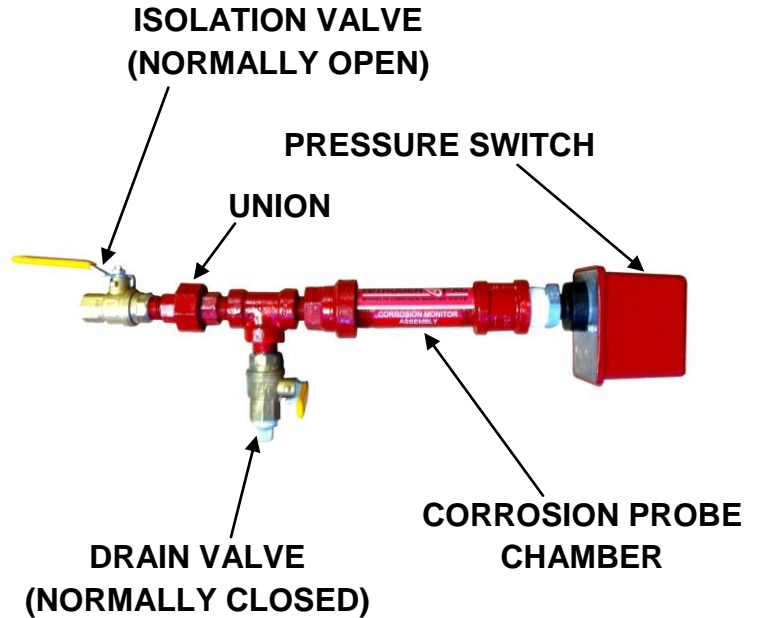
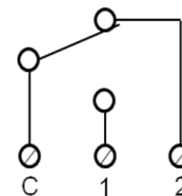


FIGURE 1 – GENERAL ARRANGEMENT



TERMINAL	IDENTIFICATION
C	Common
1	Open under normal circumstances. Closes when corrosion perforates probe and pressure reaches switch.
2	Closed under normal circumstances. Opens when corrosion perforates probe and pressure reaches switch.

FIGURE 2 – SIGNAL SWITCH WIRING

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