**FM-200® Component Description**

Supervisory Pressure Switch, Explosion Proof
1-1/2 Inch Thru 2-1/2 Inch Valves (European Approval)

P/N 06-118537-001

**FEATURES**
- ATEX Approved. Ref Directive 94/9EC

**DESCRIPTION**
The cylinder supervisory pressure switch is intended to
detect a fall in pressure in the FM-200® cylinder. The cy-
linder supervisory pressure switch can be wired for either
normally open or normally closed operation, depending
on installation requirements. This switch can be installed
onto 10 lb. through 350 lb. cylinders only.

**OPERATION**
When the pressure in the FM-200 container drops from
the standard charge pressure of 360 PSI (25 bar) to
below 288 PSI (19.86 bar) the switch operates. If wired in
the NC (open-under-pressure) configuration the resulting
pressure drop will cause the contacts to close. When
connected to a monitored circuit of a suppression control
panel the switching will result in an alarm or trouble con-
dition.

**INSTALLATION**
The supervisory pressure switch can be installed, by
trained service personnel only, onto a normally pressur-
ized container, without loss of pressure. The pressure
switch port connection is located opposite the valve out-
let. Remove the protective cap from the pressure switch
port. Secure the pressure port with a wrench, to prevent
turning the fitting within the valve body, and attach the
supervisory switch. Tighten the switch connection a ¼
turn past hand tight. Leak test the connection with a leak
detector or a bubble solution. Secure the switch body
with a wrench when connecting electrical conduit. Dis-
connect all power circuits before wiring the supervisory
switch.

**TECHNICAL DATA**
- Approvals:
  - Cenlec Flame Proof Construction per EExd d IIC T6
  - DEMKO A/S Certified to ATEX Directive
  - Flameproof Equipment
- Classification: NEMA 4X, 7 and 9; IP66
- Switch Output: One SPDT, Factory Sealed Leadwires
- Set Point: 288 PSIG on fall
- Temperature Rating: -130°F to 650°F (-90°C to 340°C)
- Electrical Rating: 5A @ 250 Vac, Resistive and 3A Inductive @ 28A
- Enclosure: 316 Stainless Steel
- Wire Color:
  - Blue = Normally Open
  - Red = Normally Closed
  - Brown = Common
  - Green = Ground

FM-200 is a registered trademark of the Great Lakes Chemical Corporation.