**DRAFT RANGE HIGH DIFFERENTIAL PRESSURE CUTOFF**

**Model JC-22-HDPCO-8**

**Introduction**
The JC-22-HDPCO-8 is a draft range differential pressure switch with red warning light and time delayed cutout relay contacts. The normally energized cutout relay contacts open when the differential pressure is higher than the setpoint for more than 8 seconds. The setpoint is field adjustable over the 0.05” to 9.0”wc range.

The JC-22-HDPCO-8 is a direct replacement for the Hays Cleveland model # AFS-952-55-B.

**Application**
The most common application of the JC-22-HDPCO-8 is as a high pressure cutoff switch for combustion draft control systems.

**High Positive Pressure Cutoff**: Cutoff when positive pressure exceeds setpoint for more than 8 seconds.

**High Negative Pressure Cutoff**: Cutoff when negative pressure exceeds setpoint for more than 8 seconds.

**High differential Pressure Cutoff**: Cutoff when differential pressure exceeds setpoint for more than 8 seconds.

**Specifications:**
- **Range**: 0.05”wc to 9.0”wc
- **Deadband**: Progressive
  - 0-1” SP: +/- 0.03” max
  - 9” SP: +/- 0.9” max
- **Max Pressure**: 20” wc, port to ambient
- **Life**: 100,000 cycles min.
- **Operation Temp.**: -20°F to 150°F
- **Power**: 120 Vac, 50/60, 5 VA
- **Output**: SPDT, 10A/120 Vac
- **Enclosure**: NEMA 1
- **Orientation**: Diaphragm in vertical plane
- **Ports**: ¼” FNPT
- **Weight**: 5 lbs.

**Note:** JC-22-LDCO-8 version is available for low positive pressure or low negative pressure applications.

**Typical Installation:**
- Locate ABOVE the tap for proper condensate draining
- Pitch Down 2” per foot (minimum) for drainage.
- Impulse Line See text for size
- Pressure Tap (1-1/4” typ.) with Clean-out Plug

**Typical Boiler Draft Cutout Application**

**Wiring:**

**JC-22-HDPCO-8 schematic**