

DRAFT RANGE TRANSMITTER ASSEMBLY

Model JC-22XMTR (with Time Delayed High Pressure Cut-Out)

The JC-22XMTR draft transmitter is specially designed for furnace stack draft applications.

- **-1" W.C. to +1" W.C. Draft Transmitter Range**
- **+0.15" W.C. to +4.0" W.C. High Pressure Cut-Out Setpoint (field adjustable)**
- **5 Second High Pressure Cut-Out Time Delay Relay**
- **Combination Draft Range Transmitter, Independent High Pressure Cut-Out with 5 second time delay relay in one box and a single draft connection saves installation cost**

Typical low range transmitters do not include these features and will not work reliably in draft control applications.

The **Model JC-22XMTR** Draft Transmitter Assembly is a field mountable furnace draft range transmitter and independent high pressure cut-out switch with 5 second time delay relay. The transmitter provides a 4-20 mADC signal for draft control and the time delay relay provides an isolated "High Pressure Cut-Out" contact for use in the Flame Safeguard Limit Circuit. The time delay feature helps avoid nuisance burner shutdowns due to momentary draft fluctuations. Transmitter is calibrated as +1" W.C. = 4 mA to provide fail-safe operation (damper opens).

Suggested Specifications

Provide a -1" W.C. to +1" W.C., 4-20 mADC furnace draft range transmitter and an independent high pressure cut-out with 5 second time delay. Instruments shall be provided with a dust-tight, splash-proof enclosure. The high pressure setpoint shall be field adjustable from +0.15" W.C. to +4.0" W.C.. The high pressure switch shall be mounted and wired to a pilot light so as to illuminate when the switch activates and to a 5 second time delay relay so as to provide an isolated, 10 ampere contact for use in the Flame Safeguard Limit Circuit. The Draft Range Transmitter with time delayed high pressure cut-out shall be a Preferred Instruments, Danbury, CT **Model JC-22XMTR**.



Draft Range Transmitter Assembly Model JC-22XMTR (with door shown closed)



Draft Range Transmitter Assembly with Model JC-22XMTR (shown with door open)

Specifications

Enclosure:	NEMA 4,12,13 field mounted
Transmitter	
Range:	+1" W.C. to -1" W.C.
Output:	4-20 mADC (2-wire)
Accuracy:	+/- 0.75% FS
Power Supply:	24 VDC
High Pressure (Low Draft) Cut-Out	
Range:	+0.15" W.C. to +4.0" W.C., field adjustable
Dead band:	0.09" W.C. (average)
Contact:	20 A/120 VAC

Ordering Information

Specify **Model JC-22XMTR-HPCO**
Model JC-22XMTR-LDCO