

# Pressure Transducer

## Product Information Sheet

800-2X00

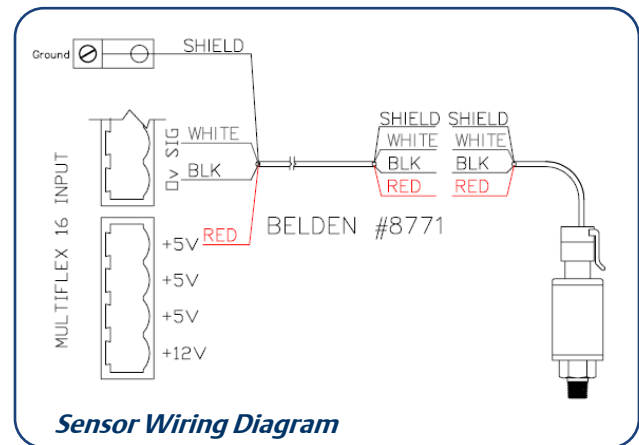
### Overview

The CPC pressure transducer is constructed with a stainless steel housing and a 1/8" male national pipe thread (NPT) fitting. The rugged design makes it compatible with all HFC/HCFC refrigerants and ammonia. The sensor includes a 20' cable with a Packard connector to allow for ease of sensor replacement. The sensor is available in three pressure ranges. The specifications for each sensor are listed below.

CPC Part Number	800-2100	800-2200	800-2500
Pressure Range	0-100 PSI	0-200 PSI	0-500 PSI
Proof Pressure (PSI)	1,500		
Burst Pressure (PSI)	4,000		
Supply Voltage	5.0 VDC		
Output Voltage	0.50 VDC at Null – 4.50 VDC at Full Scale		
Supply Current	5 mA MAX at 5.0 VDC		
Operating Temperature	-40°C to +125°C -40°F to +257°F		
Standard Total Error	+/- 1.5% of Span, -20°C to +100°C		
Band	+/- 2% of Span, -40°C to +125°C		
Physical Dimension	2.3" Length x 1.06" Diameter		



ONLY CONNECT THE PRESSURE TRANSDUCER TO A +5V DC POWER SOURCE.



### Installation

The sensor connections to the input point on the 16AI board are polarity sensitive. The sensor is connected as shown in the wiring diagram. The sensor can be wired to any available point on the 16AI board.












The dip switch for the 16AI input should be set to the ON position.



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## E2 Programming

1. Press  and log in to the E2 with Level 4 access.
2. Press  +  to view the INPUT STATUS screen.
3. Use the arrow keys to highlight the correct board and point for the pressure transducer.
4. Press   to create an analog input.
5. Type in the desired name for the point in the **Point Name** field.
6. Use the arrow keys to highlight the **Sensor Type** field and press  to change the sensor type.
7. For an 800-2100 press , for an 800-2200 press , and for an 800-2500 press .
8. Press   to accept the sensor input.

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