

INDUSTRIAL APPLICATIONS

PX2 Series Heavy Duty Pressure Transducers for Potential Use in HVAC Applications

BACKGROUND

Heating, ventilation and air conditioning (HVAC) systems help maintain an acceptable indoor environment. The three components of an HVAC system are:

- **Heating:** The process of bringing heat to an area. A Heating System is the use of a boiler, furnace or heat pump to heat water, steam or air and distributing it to the area.
- **Ventilation:** The process of changing air in an area to change the temperature and improving air quality by removing moisture, dust, smoke and other airborne particles.
- **Air Conditioning:** The removal of heat from an area. Heat can be removed by using refrigerants like water, air or other cooling chemicals and is accomplished through radiation, convection, or the heat pump system through a process called the refrigeration cycle.

Due to the high cost of energy, HVAC systems need to be efficient. Controlling the compressor outlet pressure during cooling cycles and the evaporator outlet pressure during heating cycles to match the partial load system needs will increase system efficiency and help reduce energy costs.

SOLUTION

The PX2 Series is designed to provide continuous monitoring of compressor outlet pressure, chiller outlet pressure, evaporator coil outlet pressure, and cooling tower supply pressure to help control the flow of heating/cooling media during partial load conditions. (See Figures 1 and 2.)

Figure 1. PX2 Series Heavy Duty Pressure Transducers in Potential HVAC Applications

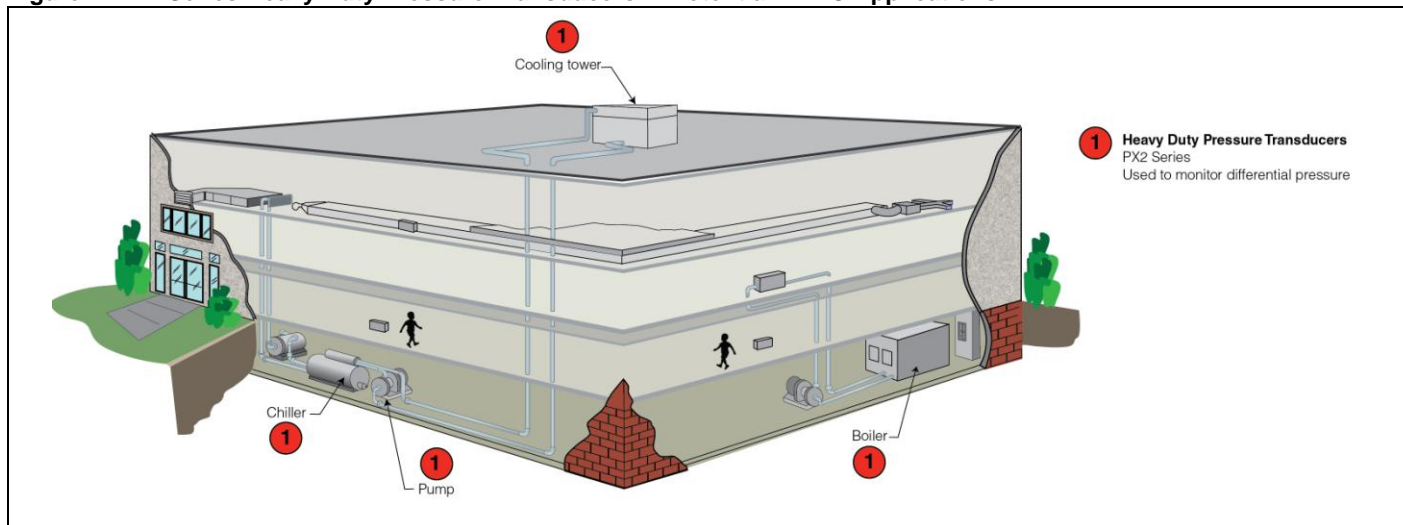


Figure 2. PX2 Series

PX2 Series Heavy Duty Pressure Transducers	Features and Benefits
	<ul style="list-style-type: none"> • Designed for configurability and Six Sigma standards • Industry leading Total Error Band (TEB) • Durable and cost effective • Broad compensated temperature range • Good EMC protection • Global support • Application expertise

PX2 Series in HVAC Applications

WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

SALES AND SERVICE

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

E-mail: info.sc@honeywell.com

Internet: www.honeywell.com/sensing

Phone and Fax:

Asia Pacific	+65 6355-2828
	+65 6445-3033 Fax
Europe	+44 (0) 1698 481481
	+44 (0) 1698 481676 Fax
Latin America	+1-305-805-8188
	+1-305-883-8257 Fax
USA/Canada	+1-800-537-6945
	+1-815-235-6847
	+1-815-235-6545 Fax

Sensing and Control
Honeywell
1985 Douglas Drive North
Golden Valley, MN 55422
www.honeywell.com/sensing

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