

JOHNSON CONTROLS - Electronic Pressure Control with Display

P470

Selection Chart



P470 Pressure Control with a P399 Transducer and WHA-P399 Wiring Harness (Control, transducer, and harness must be purchased separately.)

DESCRIPTION

The P470 Electronic Pressure Control with Display is a single-stage, On/Off, electronic pressure control with an SPDT (Single-Pole Double-Throw) output relay. The control may be field set to operate in one of three pressure ranges (0 to 100 psi, 0 to 500 psi, or 50 to 750 psi), as either an open-high or open-low control. The P470 control features a large LCD that displays the sensed pressure and other system-status indicators, as well as the adjustable set points in the programming mode. The P470 control has a lockable, 3-button touchpad for adjusting set points, and a front-panel LED (Light-Emitting Diode) that indicates the output relay status. The P470 control uses a P399 Electronic Pressure Transducer to generate a pressure signal and WHA-P399 Wiring Harness, which eliminates many of the constraints of capillary tube control applications.

FEATURES

- Easy-to-read liquid crystal display (LCD) clearly displays the sensed pressure (and other control information), and in many situations pressure may be monitored without applying gauges to the controlled equipment.
- Three field-selectable pressure ranges between 0-750 psi provide the flexibility to cover most HVAC/R pressure applications.
- 24 VAC, and 120 or 208/240 VAC models increase application options, with two controls that cover most common voltages.
- Lockable, 3-button, front-panel touchpad deters tampering and over adjustment of control settings by unauthorized personnel.
- Built-in, adjustable, anti-short cycle time-delay reduces compressor short cycling and nuisance lockouts, which can extend compressor life.
- Economical, versatile transducer & wiring harness eliminate many constraints of capillary control applications & allow up to a 100ft (30.5m) cable between control & transducer

SELECTION CHART

PART NO	DESCRIPTION
P470FB-1C	Low Voltage (<30 VAC) Electronic Pressure Control with Display Supply Voltage: 24 VAC Class 2 Transformer
P470EB-1C	Line Voltage Electronic Pressure Control with Display Supply Voltage: 120 or 208/240 VAC

Note: P470 controls do not include a transducer or wiring harness. Transducer and wiring harness must be purchased separately. P399 transducer must be matched to the selected pressure range.

ACCESSORIES

PART NO	DESCRIPTION
P399AAA-1C	0 to 100 psi Pressure Transducer with 1/8 in. NPT Male Fitting
P399AAC-1C	0 to 100 psi Pressure Transducer with 1/4 in. SAE (Schrader) Female Fitting with integral valve depressor
P399BAA-1C	0 to 500 psi Pressure Transducer with 1/8 in. NPT Male Fitting
P399BAC-1C	0 to 500 psi Pressure Transducer with 1/4 in. SAE (Schrader) Female Fitting with integral valve depressor
P399CAA-1C	0 to 750 psi Pressure Transducer with 1/8 in. NPT Male Fitting
P399CAC-1C	0 to 750 psi Pressure Transducer with 1/4 in. SAE (Schrader) Female Fitting with integral valve depressor
WHA-P399-200C	6 ft 6-1/2 in. (2m) 3-Wire Cable with Plug-in Connector for P399 Transducer
WHA-P399-400C	13 ft 3 in. (4m) 3-Wire Cable with Plug-in Connector for P399 Transducer