

Static Pressure Control

Model: SPC-2

Simple and effective pressure control

The Static Pressure Control is a fully programmable controller that provides extensive flexibility for your curtain or awning control needs. The SPC-2 automatically controls the pressure in a room by operating a curtain machine according to your programmed settings.

How it works

- When the pressure is within the idle band, the SPC-2 maintains the curtain position.
- When the pressure rises above the idle band, the SPC-2 opens the curtain for the on duration and then pauses for the off duration.
- After each off duration, the SPC-2 checks the pressure and then either opens or closes the curtain, depending on the pressure.

Peace of mind

The display shows the pressure and any alarm messages. During normal operation, the status LEDs show when the stages are on. When in programming mode, the LEDs indicate which stage you are programming. You can connect the SPC-2 to an alarm siren or other external alarm system. Customizable alarm settings allow you to choose which alarm conditions you want to be notified about.

Features

- Automatic pressure-based control
- Programmable on and off durations
Range: 1 to 900 sec. (up to 15 min.)
- Programmable set point and idle band
Range: 0.010 to 0.250 inWC
- Programmable high and low pressure alarms
- Two curtain relays (open and close)
- Differential pressure sensor
- Alarm relay (for external alarm system)
- Four-button keypad
- Four-digit LED display
- Programming and status LEDs
- Manual override and test modes
- Power-failure settings protection
- NEMA 4X enclosure (corrosion resistant, water resistant, and fire retardant)
- cCSAus approval
- Limited warranty (2 years)



Electrical ratings

- Input 85 to 264 VAC, 50/60 Hz
- Curtain relays 1/2 HP at 120 VAC, 1 HP at 230 VAC
- Alarm relay 0.4 A at 125 VAC, 2.0 A at 30 VDC, resistive load
0.2 A at 125 VAC, 1.0 A at 30 VDC, inductive load

Sensor ratings

- Pressure range 0 to 0.25 inWC
- Output voltage 0 to 4 VDC
- Supply voltage 11 to 30 VDC, 12 VDC typical
- Supply current 30 mA
- Operating range 32 to 185°F (0 to 70°C)
- Storage range -40 to 194°F (-40 to 90°C)
- Overpressure 20 psi



Accessories

Manual Override Box

The Manual Override Box (**model MOB-4**) increases the load handling capability of your control's relays and provides an external disconnect. The MOB-4 includes four 240 V power contactor relays with AUTO-OFF-MANUAL switches and snubber filters. The actuator override kit (**model KMOB4-ACTUATOR**) adapts two of the switch and relay pairs to manually open and close actuators or curtain machines.



Additional information

For more information about the Static Pressure Control, accessories, or other Phason products, contact your dealer or visit www.phason.ca.

