CDSP - Carbon Dioxide Sensor Power Supply

ETA Line

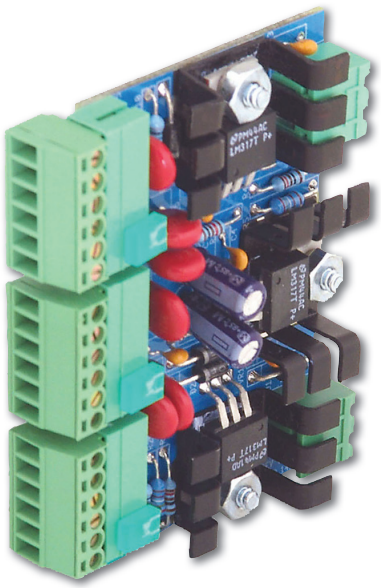
Rev. 10/16/12

Overview

Many facilities use Carbon Dioxide (CO_2) sensors for demand-controlled ventilation. Although BAPI makes CO_2 sensors that can run on AC or DC power, other CO_2 sensors typically require 24 VDC to operate and additional terminations to land the wiring. The extra power supplies, wiring and terminations can clutter up the control panel or the control room.

The BAPI CDSP module removes the clutter and the wiring hassles by providing the power and terminations for up to three CO_2 sensors. Additional CDSP modules can be mounted neatly in the associated backplane to accommodate an unlimited number of CO_2 sensors throughout the facility.

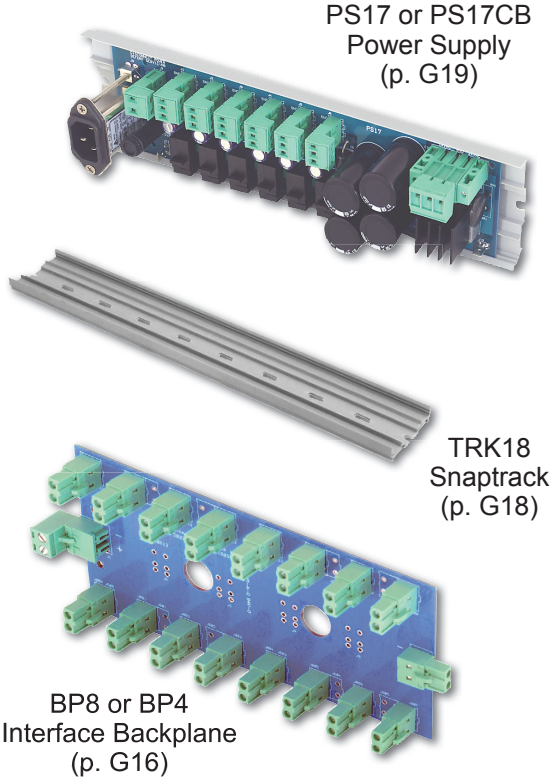
The CDSP module plugs into a BP4 or BP8 backplane. Three green LEDs indicate when power is present to the CO_2 sensors. Another green LED indicates when power is present to the CDSP module. The CDSP can be used to power virtually any four-wire sensor requiring 24 VDC.



CDSP - Carbon Dioxide Sensor Power Suppy

Part Number	Description
BA/CDSP	Carbon Dioxide Sensor Power Supply

Associated Products

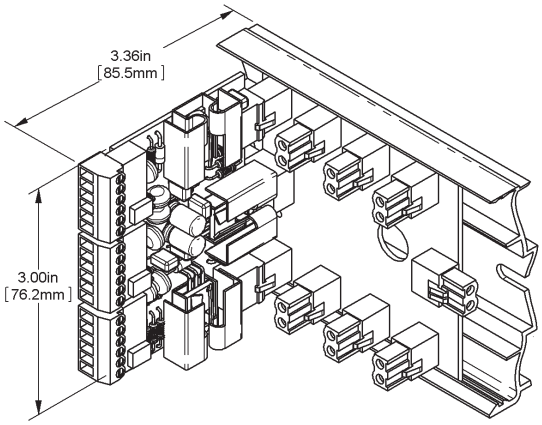


PS17 or PS17CB Power Supply (p. G19)

TRK18 Snaptrack (p. G18)

BP8 or BP4 Interface Backplane (p. G16)

Specifications



CDSP plugged into a BP4 Backplane

Input Voltage: 26 to 36 VDC

Input Current: 350 mA max. (12 VA max.)

Output Voltage: 24 VDC

Output Current: 75 mA on each output (225 mA total)

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