



CDSP2 - Carbon Dioxide Sensor Power Supply

Rev. 09/01/15

ETA Line

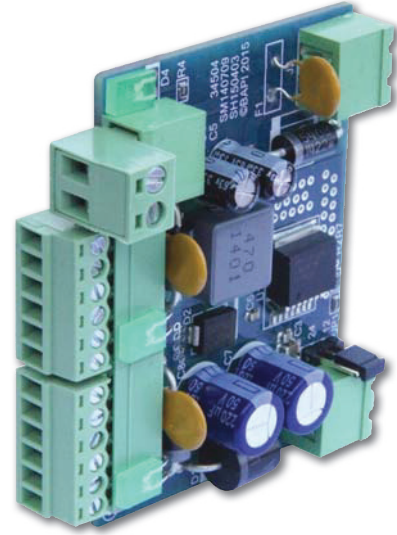
Overview

Many facilities use Carbon Dioxide (CO₂) sensors for demand-controlled ventilation. Although BAPI makes CO₂ sensors that can run on AC or DC power, other CO₂ sensors typically require 12 or 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 CDSP2 module removes the clutter and the wiring hassles by providing the power and terminations for two CO₂ sensors. Additional CDSP modules can be mounted neatly in the associated backplane to accommodate an unlimited number of CO₂ sensors throughout the facility. The 12 or 24 VDC output power of the module is field selectable via a jumper on the circuit board.

The CDSP2 plugs into the BP4 or BP8 Backplane. The CDSP2 receives power from the backplane which is powered by a BAPI PS17 - Power Supply or other power supply.

Three green Output Power LEDs light whenever power is present at the output terminals.



CDSP2 - Carbon Dioxide Sensor Power Supply

Part Number	Description
BA/CDSP2	Carbon Dioxide Sensor Power Supply

See end of Section G for list pricing.

Associated Products

PS17 or PS17CB
Power Supply
(p. G19)

TRK18
Snaptrack
(p. G18)

BP8 or BP4
Interface Backplane
(p. G16)

Specifications

CDSP2 plugged into a
BP4 Backplane

Input Voltage
28 to 36 VDC for 24VDC Output (default)
16 to 36 VDC for 12 VDC Output
(Power is supplied by a PS17 - Power Supply or other customer provided power supply)

Input Current: 1.45A max (12VA max)

Output Voltage: 12 or 24VDC

Output Current: 0.5A on each output
1.5A total

