



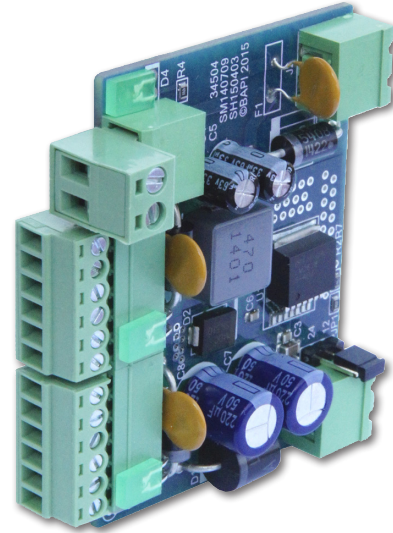
Overview

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

The CDSP2 plugs into the BP2, BP4, BP4-V or BP8 Backplane. The CDSP2 receives power from the backplane which is powered by a BAPI PS17/18/19RF or other suitable 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

Associated Products

PS17/18/19RF Power Supply
(p. H20)

TRK18 Snaptrack
(p. H18)

BP2, BP4 or BP8 Interface Backplane
(p. H16)

Specifications

CDSP2 plugged into a BP4 Backplane

Input Voltage
24VDC Output: 28 to 36 VDC or 24 VAC
12 VDC Output: 16 to 36 VDC or 24 VAC

Input Current: 1.45A max (12VA max)

Output Voltage: 12 or 24VDC

Output Current: 0.5A on each output
1.5A total

