

CONTROL MODULES



Modules
Start at
\$247



Model CSPID / CSPID2

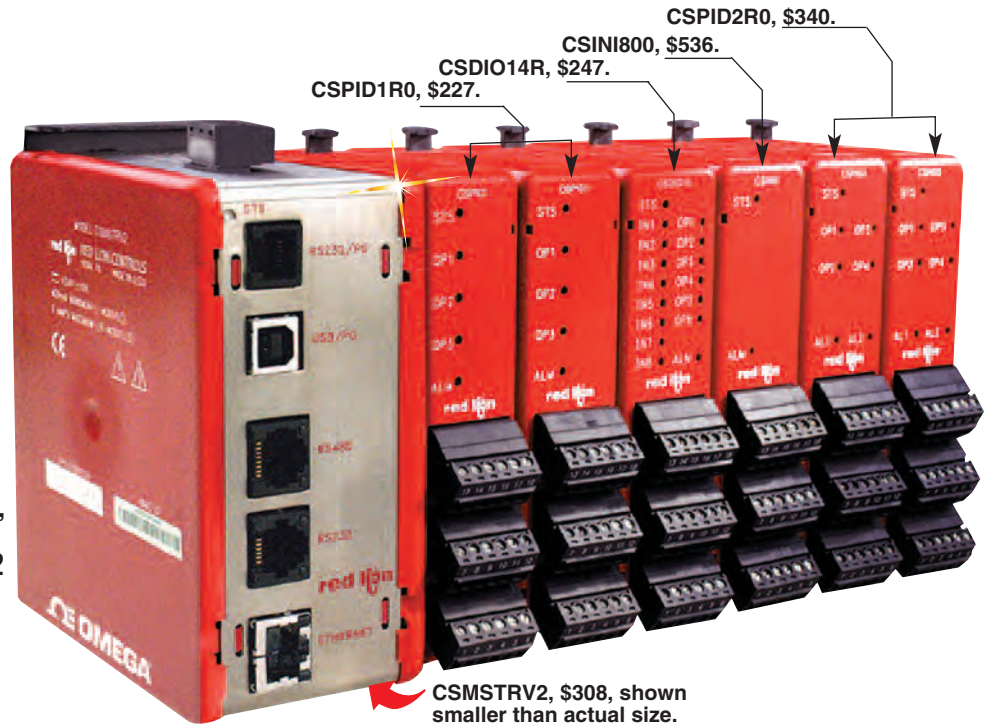
Single and Dual Loop PID Control Modules

- Performs Heat (Reverse), Cool (Direct), or Heat/Cool (Reverse/Direct)
- Universal Inputs Accept B, C, E, J, K, R, N, S, and T Type Thermocouples, 100 Ω 385/392 and 120 Ω 672 Type RTDs (2- or 3-Wire), 0 to 10V and 0/4 to 20 mA Signals
- Hot-Swappable Replacement Reduces Downtime
- Auto Addressing Minimizes Configuration Time
- Fully Isolated Design Provides Reliable Operation
- PID Control with Reduced Overshoot
- On Demand Auto-Tuning of PID Settings
- Discrete Outputs Available in Relay, Triac, or SSR
- DC Analog Output (Optional, CSPID1 Only)
- Heater Current Input (Optional) Ensures Detection of Heater Circuit Failure

Model CSTC8 / CSRTD6

Dedicated High-Density Temperature Input Modules

- Models Available for Thermocouple or RTD Inputs
- Unused Inputs can be Disabled to Increase Overall Reading Rate
- Programmable Slope and Offset Correction to Remove Sensor Error
- Ideal for Data-Acquisition Applications
- Auto Addressing Minimizes Configuration Time
- Can be Used in Conjunction with Any CS Series Modules



Model CSINI8 / CSINV8 CSINI8L / CSINV8L

Dedicated High-Density Analog Input Modules

- Accept up to Eight $\pm 10V$ or 0/4 to 20 mA Inputs per Module
- "L" Series Modules Offer 100 Linearization Points per Input
- Unused Inputs Can be Disabled to Increase Overall Reading Rate
- Ideal for Data-Acquisition Applications
- Auto Addressing Minimizes Configuration Time
- Can be Used in Conjunction With any CS Series Modules

Model CSDIO14

Digital I/O Module with Logic Engine

- 8 Input / 6 Output Digital Module
- Inputs Isolated From Outputs
- Inputs Independently Switch Selectable for Sink or Source Signals
- Inputs Independently Configurable for High or Low Active State

- Inputs Independently Switch Selectable for High or Low Frequency Signals
- Relay or NFET Output Models Available
- Can be Used in Conjunction with Any CS Series Modules

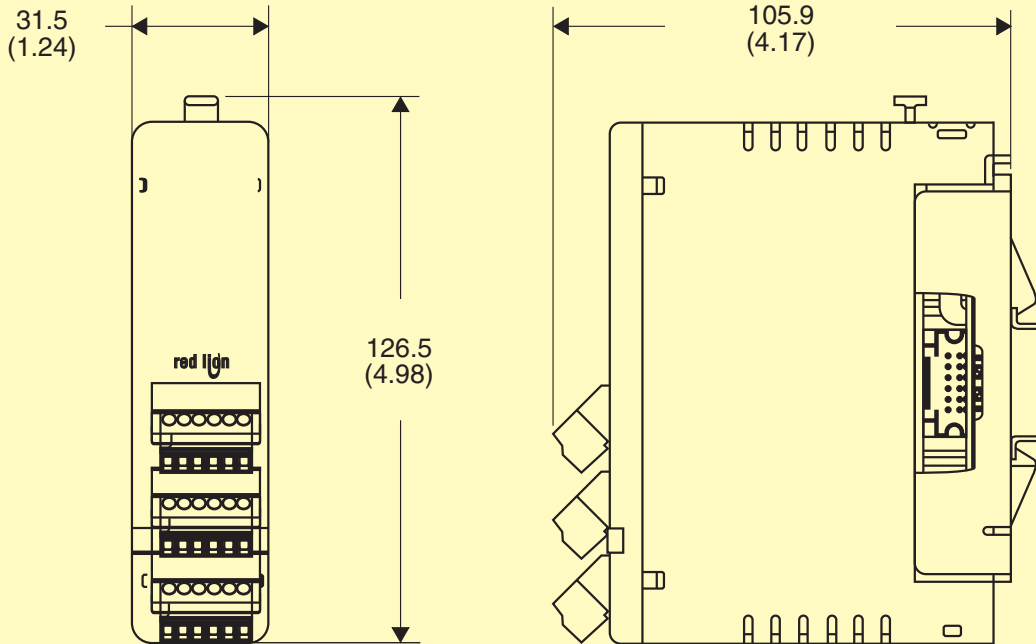
Model CSSG

Strain Gage PID Control Module

- Performs Reverse, Direct, or Reverse/Direct Control
- Input Accepts 20 mV, 33 mV, or 200 mV Strain Gage Signals
- Secondary Input for Calculation of Difference, Sum, Average, etc.
- Selectable 5 or 10V Excitation
- Three Alarm Outputs per Module
- Fully Isolated Design Provides Reliable Operation
- PID Control With Reduced Overshoot
- On Demand Auto-Tuning of PID Settings
- Discrete Outputs Available in Relay or SSR
- DC Analog Output Optional



Dimensions: mm (inches)



CSPID1R0, \$227 and CSPID2R0, \$340, shown smaller than actual size.

To Order (Specify Model Number)

MOST POPULAR MODELS HIGHLIGHTED!

MODEL NO.	PRICE	MODULE DESCRIPTION
CSDIO14R	\$247	8 inputs 6 relay outputs
CSDIO14S	247	8 inputs 6 solid state outputs
CSINV800	536	8 channel ±10V input module
CSINI800	536	8 channel 0(4) to 20 mA input module
CSOUT400	280	4 channel analog output
CSPID1R0	227	Single loop module, relay outputs
CSPID1RA	247	Single loop module, relay outputs, analog output
CSPID1RM	247	Single loop module, relay outputs, heater current input
CSPID1S0	227	Single loop module, solid state outputs
CSPID1SA	247	Single loop module, solid state out. Analog output
CSPID1SM	247	Single loop module, solid state, heater current input
CSPID1TA	247	Single loop module, triac outputs, analog output
CSPID2R0	340	Dual loop module, relay outputs
CSPID2RM	371	Dual loop module, relay outputs, heater current input
CSPID2S0	340	Dual loop module, solid state outputs
CSPID2SM	371	Dual loop module, solid state outputs, heater current input
CSPID2T0	340	Dual loop module, triac outputs
CSPID2TM	371	Dual loop module, triac outputs, heater current input
CSRTD600	402	6 channel input, RTD, 2- or 3-wire
CSSG10RA	320	Single loop, 1 strain gage input, relay outputs, analog out
CSSG10SA	320	Single loop, 1 strain gage input, relay outputs, analog out
CSSG11RA	400	Single loop, 2 strain gage inputs, relay outputs, analog out
CSSG11SA	400	Single loop, 2 strain gage inputs, relay outputs, analog out
CSTC8000	536	8 channel thermocouple module

Comes complete with operator's manual.

Ordering Example: CSDIO14R, 8 inputs 6 relay output module, \$247.



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• Flow and Level

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters