CONTROL MODULES

NEW

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 ±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

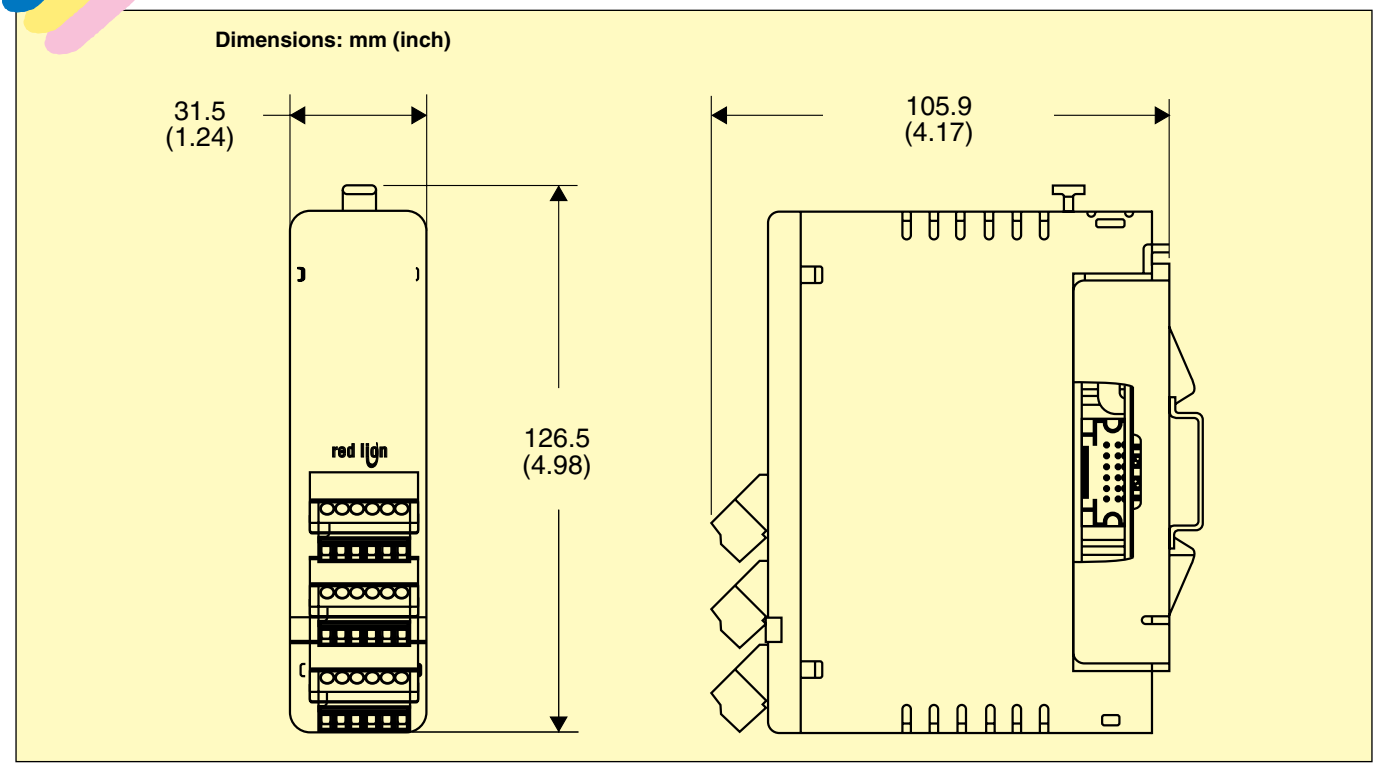
Digital I/O Module with Logic Engine

- 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



CSPID1R0 and CSPID2R0 shown smaller than actual size.

To Order

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

Comes complete with operator's manual.
Ordering Example: CSDIO14R, *8 inputs 6 relay output module.*