

Series 100 Electronic Indicating Controls

The 100 series of 1/16 DIN sized controls are available in a number of models having a variety of features to suit the particular application.



Figure 1



Figure 2



Figure 3



Figure 4

The S100 is the lowest cost single digital display model.

The C100 is a general purpose control with dual digital displays for both process and set point.

The D100 offers high end process features for applications where a 1/8 or 1/4 DIN control is not appropriate.

The CB100L is an indicating, manual reset, high limit, FM approved control used in conjunction with another process control. Table 1 shows the features for each model.

100 Series

Model	Description	Catalog No.
S100 (Figure 1)	T/C Input/Relay Output	S100FXA8-M*NN
	T/C Input/SSR Output	S100FXA8-V*NN
	RTD Input/Relay Output	S100FDB6-M*NN
	RTD Input/SSR Output	S100FDB6-V*NN
C100 (Figure 2)	T/C Input/Relay Output	C100FXA3-M*NN
	T/C Input/4-20 mA Output	C100FXA3-8*NN
	RTD Input/Relay Output	C100FDA1-M*NN
	RTD Input/4-20 mA Output	C100FDA1-8*NN
D100 (Figure 3)	All Inputs/Relay Output	D100F-MN*NN-NN-NN
	All Inputs/SSR Output	D100F-VN*NN-NN-NN
	All Inputs/4-20 mA Output	D100F-8N*NN-NN-NN
CB100L (Figure 4)	T/C Input/Relay Output	CB100LXA3-M*NN-N-NN/A

Note:

For thermocouple input controllers, replace 'X' with the thermocouple type (i.e. J or K). Other models available, check factory.

Standard Features

	S100	C100	D100	CB100L
Accuracy				
+/- 0.5% of span	✓	✓	—	—
+/- 0.3% of span	—	—	✓	—
Auto Tune	✓	✓	✓	—
Fuzzy Logic	—	—	✓	—
Configurable Control Modes	✓	✓	✓	—
Display				
Dual	—	✓	✓	✓
Single	✓	—	—	—
Inputs				
T/C, RTD, Current Voltage	—	✓	✓	✓
T/C, RTD (only)	✓	—	—	—
Outputs				
Relay	✓	✓	✓	✓
SSR Pulse	✓	✓	✓	—
4-20 mA	—	✓	✓	—
triac Driver	—	✓	—	—
Loop Break Alarm	✓	OPT.	✓	—
Ramp To Set Point	—	—	✓	—
Optional Features				
2 Alarms (Temperature)	✓	✓	✓	✓
Heater Break Alarm	✓	✓	✓	—
Loop Break Alarm	STD.	✓	STD.	—
Communications	—	—	✓	✓
Retransmitted Output	—	—	✓	✓
Remote Test	—	—	—	✓
Auxiliary Set Point	—	—	✓	—

To Order Specify

Quantity and catalog number.

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