



SERIES 16G, 8G, & 4G | LOVE TEMPERATURE/PROCESS LOOP CONTROLLERS

FEATURES/BENEFITS

- On/off, PID, fuzzy logic, or manual output control
- Constant, sloped, program (ramp/soak), or remote set-point control
- 2 primary control outputs, 2 secondary/alarm relay outputs, and RS-485 standard on all models
- Remote set-point, input retransmission, or event input functions available with optional hardware



16G



8G



4G

APPLICATIONS

- Oven control
- Packaging equipment
- Parts washers

DESCRIPTION

The **SERIES 16G, 8G, & 4G** Temperature/Process Loop Controllers allow for monitoring and control of temperature or process conditions. The controller features two independent control outputs for dual loop control using on/off, auto-tune or self-tune PID, fuzzy logic, or manual control methods. RS-485 interface is included with Modbus® communication protocol, for easy bench-top configuration or integration with a PLC or data control system.

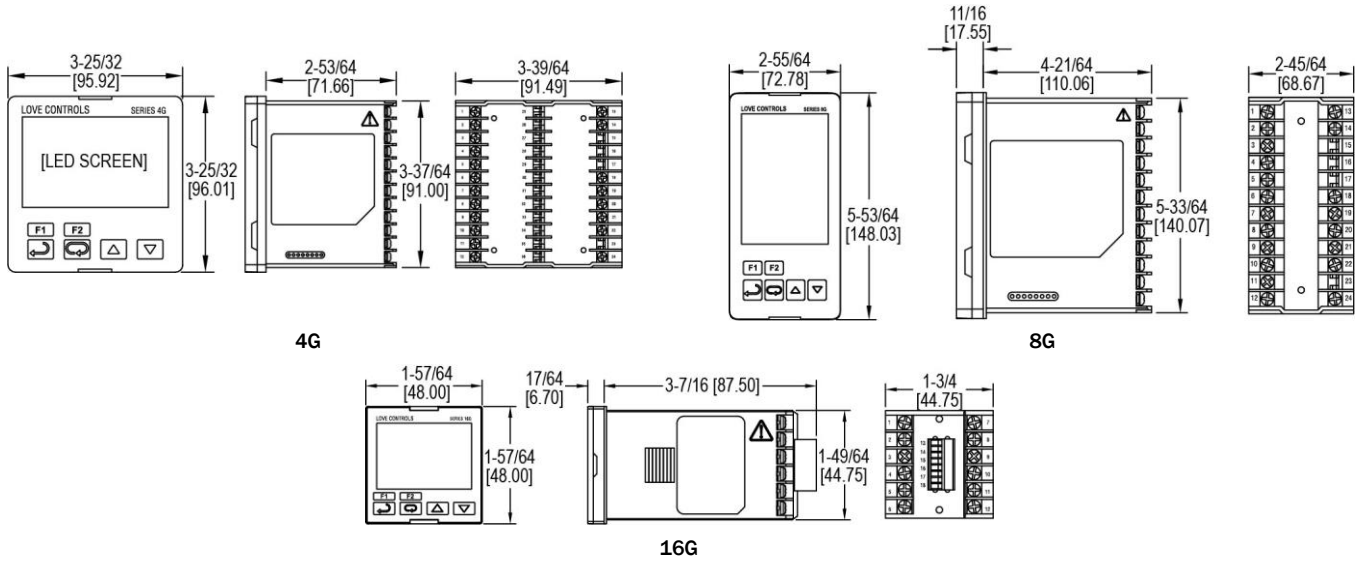
SPECIFICATIONS

Inputs	Thermocouple, RTD, DC voltages or DC current.
Display	Process value: 4 digit, 0.47" H (12mm), orange LCD; Set point value: 4 digit, 0.47" H (12mm), green LCD.
Accuracy	$\pm 1.8^\circ\text{F}$ plus $\pm 0.3\%$ of span ($\pm 1^\circ\text{C}$ plus $\pm 0.3\%$ of span) at 77°F (25°C) after 20 minutes warm up.
Power Requirements	100 to 240 VAC -20/+8%, 50/60 Hz; Optional 24 VDC, $\pm 10\%$.
Power Consumption	5 VA max.
Operating Temperature	32 to 122°F (0 to 50°C).
Storage Temperature	-42 to 150°F (-20 to 65°C).
Memory Backup	Nonvolatile memory.
Control Output Ratings	Relay: SPST, 5 A @ 250 VAC resistive; Voltage pulse: 12 V (max. 40 mA); Current: 4 to 20 mA; Linear voltage: 0 to 10 V.
Alarm Relay Ratings	3 A @ 250 VAC resistive.
Communication	RS-485 Modbus® ASCII/RTU communication protocol.
Weight	9 oz (255g).
Front Panel Rating	IP66.
Agency Approvals	CE, cULus.



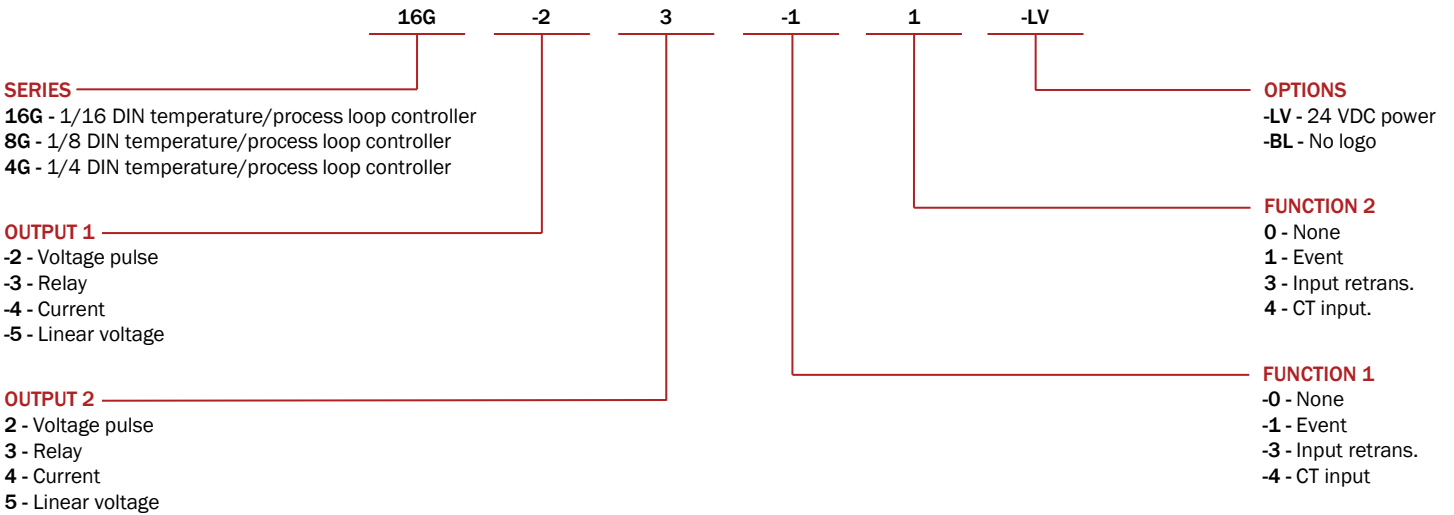


DIMENSIONS



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



ACCESSORIES

Model	Description
MN-1	Mini-Node™ RS-485 to USB converter
SCD-SW	Configuration software
A-277	250 Ω precision resistor
A-600	R/C snubber
A-900	Weatherproof front mount enclosure
A-901	Weatherproof internal mount enclosure with window

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