



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



16G



8G



4G

### BENEFITS/FEATURES

- 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

### APPLICATIONS

- Oven control
- Packaging equipment
- Parts washers

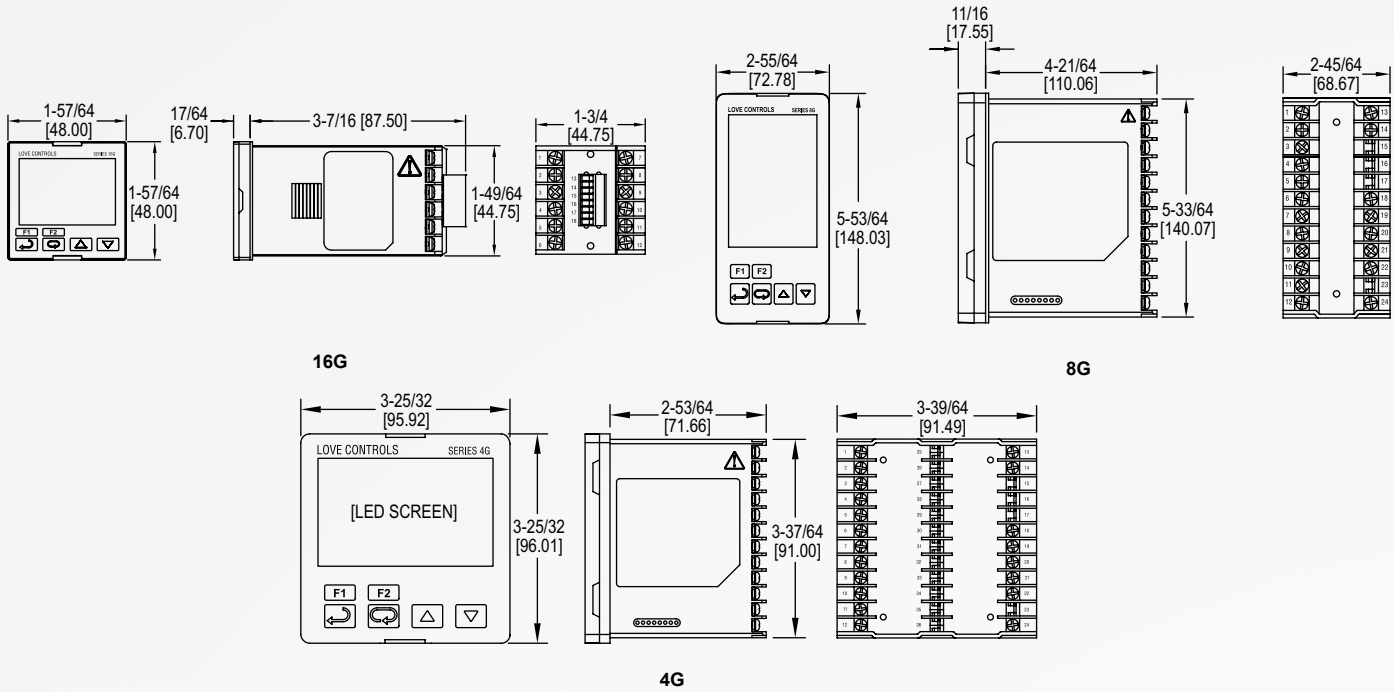
### DESCRIPTION

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

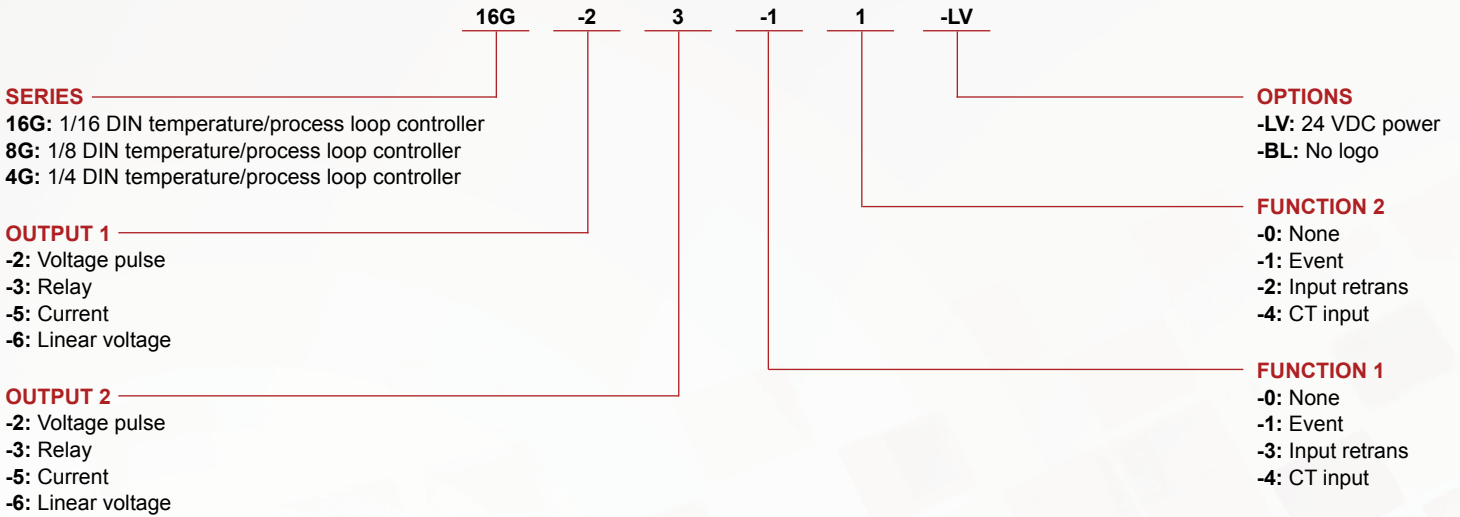
<b>Inputs</b>	Thermocouple, RTD, DC voltages or DC current.
<b>Display</b>	Process value: 4 digit, 0.47" H (12 mm), orange LCD; Set point value: 4 digit, 0.47" H (12 mm), green LCD.
<b>Accuracy</b>	±1.8°F plus ±0.3% of span (±1°C plus ±0.3% of span) at 77°F (25°C) after 20 minutes warm up.
<b>Power Requirements: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

## DIMENSIONS



## HOW TO ORDER

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



## ACCESSORIES

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

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