



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.

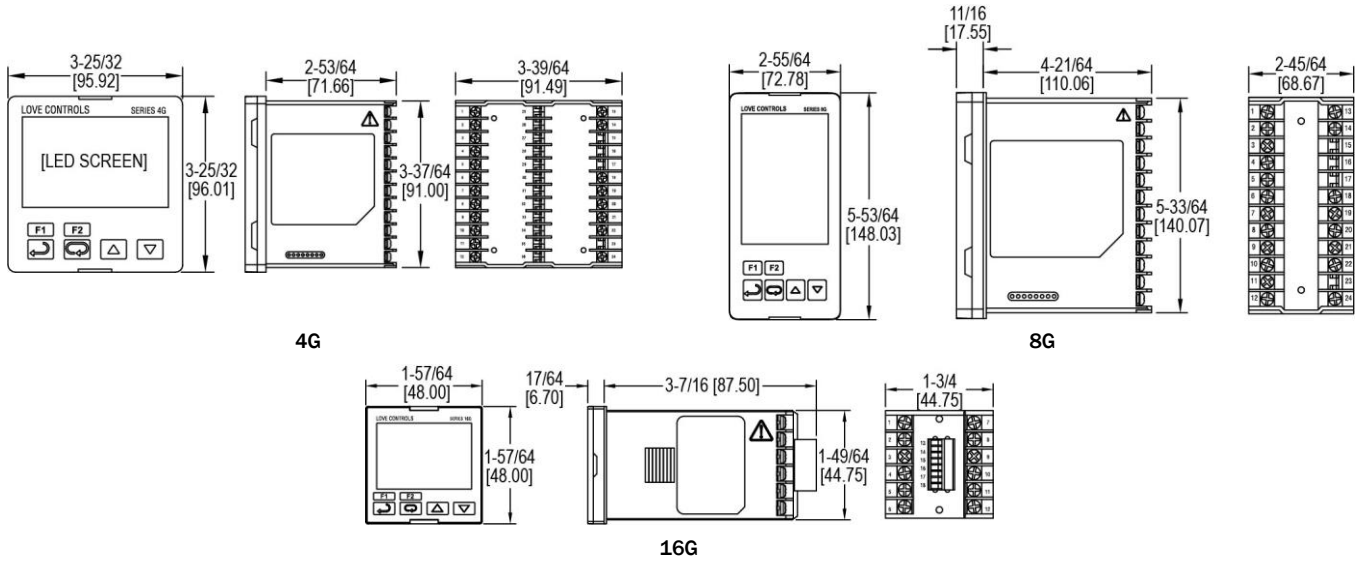
SPECIFICATIONS

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	± 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.
Power Requirements	100 to 240 VAC -20/+8%, 50/60 Hz; Optional 24 VDC, ±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.



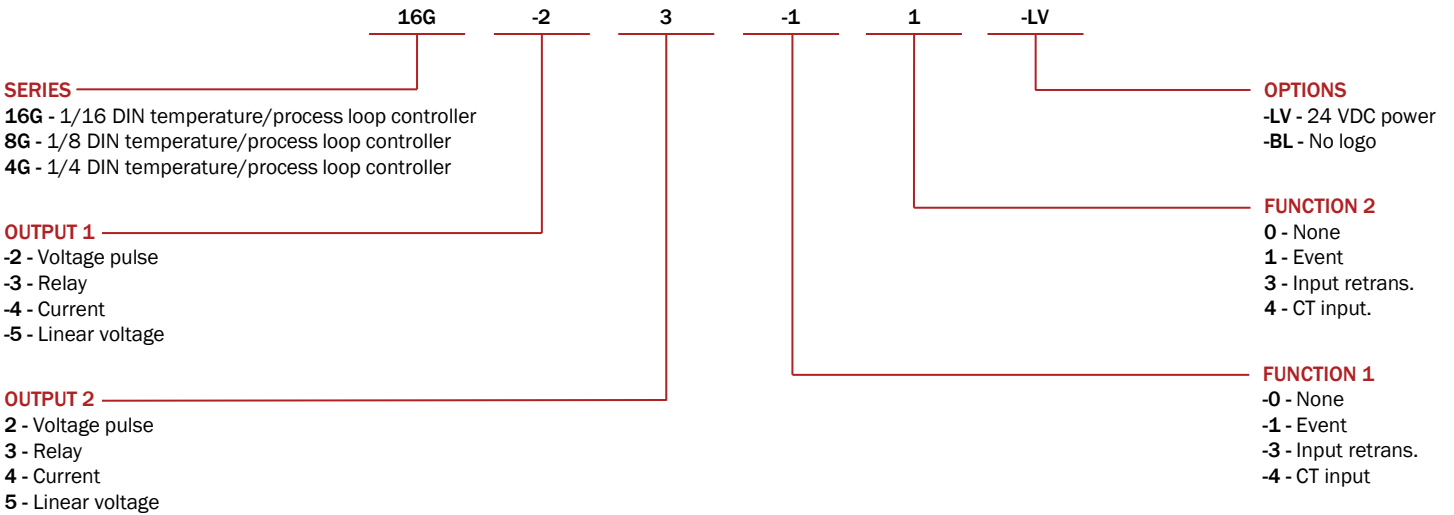


DIMENSIONS



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

Important Notice: Dwyer Instruments, Inc. reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Dwyer advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current.

