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Data Sheet

August 15, 2026

Dwyer Instruments / LOVE CONTROLS

Dwyer Instruments / Love Controls 26133-926-934 Temperature / Process Controller

Dwyer Instruments / Love Controls Industrial Controllers & PLCs. Voltage: ** 100-240 VAC.

**MODEL****Dwyer Instruments
/ Love Controls
26133-926-934****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****26133-926-934****LISTING****[https://aumictechlabs.c
om/products/26133-92
6-934-3/](https://aumictechlabs.com/products/26133-926-934-3/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Dwyer Instruments / Love Controls 26133-926-934 is a microprocessor-based temperature and process controller from the 2600 Series. It delivers precise monitoring and control across industrial heating, cooling, and process applications through universal sensor inputs and configurable control logic. The unit accepts thermocouples (J, K, E, T, L, N, B, C, S, R), RTDs (100Ω Pt NIST, 100Ω Pt DIN, 120Ω Ni Industrial, 1000Ω Pt DIN), differential inputs (-10 to +10 mV DC), and process signals (0 to 20 mA DC, 0 to 10 VDC). Technical Specifications Input Types: Thermocouple (J, K, E, T, L, N, B, C, S, R); RTD (100Ω Pt NIST, 100Ω Pt DIN, 120Ω Ni Industrial, 1000Ω Pt DIN); Differential (-10 to +10 mV DC); Process (0 to 20 mA DC, 0 to 10 VDC) Power Supply: 24 VDC isolated, regulated output for 4-20 mA transmitters Input Voltage: 100-240 VAC, 132-240 VDC Display: Digital Enclosure Rating: NEMA 4X (IP65) front panel Output 1/3: Switched

15 VDC standard Option 934: Analog retransmission 0 to 20 mA DC (scalable to 1-5 mA, 4-20 mA) Option 936: Analog retransmission 0 to 10 VDC (scalable) Key Features Four password-protected security levels for data integrity 16-segment ramp/soak programming with program end control Self-tune capability with manual PID adjustment and preset PID responses Front panel programmability Isolated 24 VDC power supply for transmitter operation Typical Applications Temperature monitoring and process control in industrial environments requiring multi-input flexibility, data security, and programmable thermal profiles. Compatibility & Integration Use 16 AWG or larger conductors rated 75°C minimum (copper only) for supply connections. Thermocouple, RTD, and Class 2 signal wiring must not share conduit with power leads. Extension leads must match thermocouple type.

26133926934 Characteristics / Specifications

PARAMETER	VALUE
Model	26133-926-934
Instrument Type	1/4 DIN temperature / process controller
Family	Love Controls / Dwyer Series 2600
Output A	relay
Output B	relay
Remote Setpoint	0 to 20 mA DC, 10 ohm, scalable (1-5 / 4-20 mA programmable)
Process Retransmit	0 to 20 mA DC non-isolated into 600 ohm maximum
Thermocouple Types	J, K, E, T, L, N, B, C, S, R
Rtd Types	100 ohm Pt NIST, 100 ohm Pt DIN, 120 ohm Ni, 1000 ohm Pt DIN
Process Inputs	0 to 20 mA DC, 0 to 10 VDC; differential minus 10 to plus 10 mV
Tc Impedance	3 megohm minimum
Voltage Impedance	5000 ohm
Current Impedance	10 ohm
Rtd Excitation	200 uA maximum
Display	two 4-digit 0.56 in (14.2 mm) 7-segment LEDs
Accuracy	plus or minus 0.25 percent of span, plus or minus 1 LSD
Supply Ac	100 to 240 VAC nominal, plus 10 / minus 15 percent, 50 to 400 Hz single phase
Supply Dc	132 to 240 VDC plus 10 / minus 20 percent
Operating Temperature	14 to 131 F (minus 10 to 55 C)
Relay Rating	SPDT 10 A at 240 VAC resistive; 1/2 hp at 120 VAC; 1/3 hp at 240 VAC
Alarm Relay	3 A at 240 VAC resistive
Current Output	0-20 mA DC scalable into 600 ohm maximum
Transmitter Supply	24 V isolated regulated for 4-20 mA transmitters
Ramp Soak	16 segments with program-end control
Front Rating	NEMA 4X (IP65)

PARAMETER	VALUE
Weight	13 oz (369 g)
Manufacturer	Love Controls / Dwyer Instruments
Literature	Love/Dwyer Series 2600 datasheet and 26133-926-934 configuration (dual relay, 0-20 mA setpoint, 0-20 mA retransmit)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	14 to 131 F (minus 10 to 55 C)
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Ramp Soak	16 segments with program-end control
Front Rating	NEMA 4X (IP65)
Weight	13 oz (369 g)
Manufacturer	Love Controls / Dwyer Instruments
Literature	Love/Dwyer Series 2600 datasheet and 26133-926-934 configuration (dual relay, 0-20 mA setpoint, 0-20 mA retransmit) Notes From Love Controls Series 2600 specification tables and the 26133-926-934 dual-relay / 0-20 mA setpoint / 0-20 mA retransmit configuration. Serial LoveLink/Modbus suffixes are other catalog adders.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Thermocouple Types	J, K, E, T, L, N, B, C, S, R
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Notes

From Love Controls Series 2600 specification tables and the 26133-926-934 dual-relay / 0-20 mA setpoint / 0-20 mA retransmit configuration. Serial LoveLink/Modbus suffixes are other catalog adders.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.