01 / Product and system dashboard

BENTLY NEVADA

3300-35-03-02-02-01-00

Temperature Monitor

Product role

Bently Nevada 3300-35-03-02-02-01-00 is a six-channel RTD temperature monitor configured for 0–400°F, three-wire 100Ω platinum inputs and hermetically sealed relays.

Sensors
Up to six compatible RTDs

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Monitor
3300/35 temperature processing

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Outputs
Display, recorder and alarms

Engineering scope

The 3300/35 ordering definition maps the offered 3300-35-03-02-02-01-00 to the stated RTD, range and relay selections. Field-programmable settings and approval applicability require verification on the supplied assembly.

02 / Verified identity and technical relationships

Property	Applicable fact	Property	Applicable fact
Input channels	Up to six RTDs	Nominal power	4 W
Ordered range	03: 0–400°F	Recorder outputs	Per channel: selectable 4–20 mA, +1 to +5 Vdc or 0 to −10 Vdc
RTD input	02: Three-wire 100Ω platinum, α = 0.00385	Display	Common four-digit LCD; 0.1 or 1 resolution selectable
Alarm relays	02: Hermetically sealed	Display accuracy	At +25°C: within 1°C with tenths digit; 1.5°C without
Agency option	01: CSA/NRTL/C; supplied approval marking must match	Rack requirement	Two monitor positions
Safety barriers	00: None	Operating temperature	0°C to +65°C

Configuration boundary

The 3300/35 ordering definition maps the offered 3300-35-03-02-02-01-00 to the stated RTD, range and relay selections. Field-programmable settings and approval applicability require verification on the supplied assembly.

03 / Applications and system integration

Bearing temperature monitoring

Observe compatible three-wire platinum RTDs at bearing temperature points, with scaling and alarm limits selected for the machine.

Multi-point temperature observation

Collect up to six independent RTD channels in a common monitor while retaining channel-specific status and recorder outputs.

Recorder integration

Provide the selected analog recorder signal to a compatible receiving system and align full-scale scaling at both ends.

Temperature alarm integration

Use the configured over-temperature and selectable over/under alarm functions with the intended relay and machine protection arrangement.

Functional context

The monitor accepts up to six independent RTD signals and has a nominal power consumption of 4 W. It provides an independent recorder output for each channel, selectable as 4–20 mA, +1 to +5 Vdc or 0 to −10 Vdc, proportional to the programmed full-scale range. At +25°C, display accuracy is within 1°C when the tenths digit is displayed and 1.5°C without the tenths digit; output accuracy has its own additional terms.

04 / Service and installation decisions

Match RTD characteristics

Use the selected three-wire 100Ω platinum characteristic, alpha 0.00385, and verify lead connections.

Confirm range and units

Check 0–400°F ordering identity against the actual configured scale and display units.

Verify relay hardware

Match the hermetic relay selection and the installed alarm logic to the machine protection design.

Check recorder loading

Select the proper current or voltage mode and confirm compatible receiver loading and scaling.

Preserve approval boundaries

Verify the actual CSA/NRTL/C marking and installation conditions; no safety barriers are selected in this model.

Test before service

Check channel indication, alarm behavior, bypass removal and recorder response under a controlled acceptance procedure.

05 / Reference basis and related portfolio

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed. Request current support and replacement guidance using the complete 3300-35-03-02-02-01-00 identity. Apter Power availability is confirmed separately in the quotation.

Reference basis

Bently Nevada 3300/30 and 3300/35 Six-Channel Temperature Monitors, 141503-01 Rev. H.

Apter Power technical summary. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Bently Nevada 21000-16-10-15-144-03-02

Bently Nevada 21000-16-10-00-076-03-02

Bently Nevada 21000-28-10-000-102-03-02

Discuss your installed configuration

Send the full unit marking and connection details.

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