Product dashboard

Emerson KJ3002X1-BG2 12P1731X032 is retained as the complete supplied identity for a DeltaV temperature-input position. Manufacturer documentation defines KJ3002X1-BG2 as an eight-channel thermocouple and millivolt input card; X032-specific properties are not inferred.

Exact model	Product type	System family	Functional role
KJ3002X1-BG2 12P1731X032	8-Channel Thermocouple and mV Input Card	DeltaV M-series	DeltaV Temperature Input Card

PARAMETER	DOCUMENTED VALUE
Complete item marking	KJ3002X1-BG2 12P1731X032
Documented base model	KJ3002X1-BG2
Input channels	8
Supported thermocouples	B, E, J, K, N, R, S and T
Additional input	Uncharacterized millivolt source
Conversion resolution	16 bit
LocalBus power	12 V DC at 350 mA maximum
Field circuit	5.5 V DC at 0.6 mA per channel

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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KJ3002X1-BG2 12P1731X032

System overview

For temperature and low-level millivolt acquisition, KJ3002X1-BG2 digitizes eight isolated field channels and monitors open-sensor conditions. Sensor type, compensation method, polarity and terminal hardware must be reconciled with the installed loop schedule.

Process-temperature measurement

Collects eight configured thermocouple or millivolt signals.

Mixed sensor planning

Associates each channel with its documented thermocouple type and range.

Open-sensor diagnostics

Reports an interrupted field circuit through the supported diagnostic path.

Cold-junction review

Retains the installed terminal and compensation arrangement during replacement.

SYSTEM POSITION	RECORD
Installed identity	KJ3002X1-BG2 12P1731X032
Host relationship	DeltaV M-series
Controlled function	eight-channel thermocouple and millivolt acquisition

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Technical data map

PARAMETER	VERIFIED VALUE
Complete item marking	KJ3002X1-BG2 12P1731X032
Documented base model	KJ3002X1-BG2
Input channels	8
Supported thermocouples	B, E, J, K, N, R, S and T
Additional input	Uncharacterized millivolt source
Conversion resolution	16 bit
LocalBus power	12 V DC at 350 mA maximum
Field circuit	5.5 V DC at 0.6 mA per channel
Diagnostic	Open-sensor detection
Operating temperature	-40 to 70°C

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	eight-channel thermocouple and millivolt acquisition

Technical evidence record: DeltaV M-series Traditional I/O, Emerson product data sheet

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Applications and precautions

1. Confirm the complete Emerson KJ3002X1-BG2 12P1731X032 marking against the receiving record before work.
2. Place the connected process, rack, machinery and control functions in the approved maintenance state.
3. Record the installed position, wiring, terminal hardware, settings and companion components before removal.
4. Isolate every affected electrical and process-energy source and verify the safe state.
5. Protect keyed connectors, terminals and electronics from contamination, strain and electrostatic damage.
6. Restore only the recorded wiring, grounding, shielding, settings and matched companion hardware.
7. Energize in the controlled sequence and review every available module, rack and system diagnostic.
8. Function-test eight-channel thermocouple and millivolt acquisition and retain the signed acceptance result before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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KJ3002X1-BG2 12P1731X032

Buyer and engineering FAQ

What is the documented purpose of Emerson KJ3002X1-BG2 12P1731X032?

Emerson KJ3002X1-BG2 12P1731X032 is retained as the complete supplied identity for a DeltaV temperature-input position. Manufacturer documentation defines KJ3002X1-BG2 as an eight-channel

Which product family contains Emerson KJ3002X1-BG2 12P1731X032?

The documented base model belongs to the DeltaV M-series product family.

Which function is documented for Emerson KJ3002X1-BG2 12P1731X032?

For the documented base model, input channels is 8.

What channel or interface detail applies to Emerson KJ3002X1-BG2 12P1731X032?

For the documented base model, supported thermocouples is B, E, J, K, N, R, S and T.

Related Apter Power pages

- Emerson A6560
- Emerson KJ2005X1-BK1 SE3007
- Emerson 8752-CA-NS-02

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