

Product dashboard

Emerson KJ3002X1-BA1 12P06801X122 is preserved exactly as supplied for a DeltaV analog-input position. Official documentation supports the KJ3002X1-BA1 base model as an eight-channel, two-wire 4-20 mA HART input card; the unusual 12P06801X122 string is not silently corrected.

Exact model

KJ3002X1-BA1
12P06801X122

Product type

8-Channel 2-Wire 4-20
mA HART Analog Input

System family

DeltaV M-series

Functional role

DeltaV Analog Input Card

PARAMETER	DOCUMENTED VALUE
Complete item marking	KJ3002X1-BA1 12P06801X122
Documented base model	KJ3002X1-BA1
Input channels	8
Input topology	2-wire transmitter
Signal range	4 to 20 mA
Digital protocol	HART pass-through
LocalBus power	12 V DC at 150 mA maximum
Field power	24 V DC at 300 mA maximum

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

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KJ3002X1-BA1 12P06801X122

System overview

In the two-wire transmitter path, KJ3002X1-BA1 receives eight loop-current signals and passes supported HART data into the DeltaV system. The complete marking must be checked against the physical label before the page is used for procurement or replacement.

- Two-wire transmitter input**

Supplies and reads eight compatible 4-20 mA field loops.
- HART maintenance access**

Passes supported digital communication through the analog-input path.
- Loop-power verification**

Checks field supply, polarity and terminal mapping before connection.
- Identity exception control**

Preserves the extra digit in 12P06801X122 until the physical label is verified.

SYSTEM POSITION	RECORD
Installed identity	KJ3002X1-BA1 12P06801X122
Host relationship	DeltaV M-series
Controlled function	eight-channel two-wire HART analog input

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Technical data map

PARAMETER	VERIFIED VALUE
Complete item marking	KJ3002X1-BA1 12P06801X122
Documented base model	KJ3002X1-BA1
Input channels	8
Input topology	2-wire transmitter
Signal range	4 to 20 mA
Digital protocol	HART pass-through
LocalBus power	12 V DC at 150 mA maximum
Field power	24 V DC at 300 mA maximum
Field circuit	24 V DC at 32 mA per channel
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 two-wire HART analog input

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-BA1 12P06801X122 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 two-wire HART analog input 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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Buyer and engineering FAQ

What is the documented purpose of Emerson KJ3002X1-BA1 12P06801X122?

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Which product family contains Emerson KJ3002X1-BA1 12P06801X122?

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

Which function is documented for Emerson KJ3002X1-BA1 12P06801X122?

For the documented base model, input channels is 8.

What channel or interface detail applies to Emerson KJ3002X1-BA1 12P06801X122?

For the documented base model, input topology is 2-wire transmitter.

Related Apter Power pages

[Emerson SP3401](#)

[Emerson KJ3222X1-BK1 12P4705X062](#)

[Emerson EZ1000](#)

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