

Emerson

KJ3002X1-BA1 12P06801X122

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

This technical reference records only manufacturer-supported boundaries for Emerson KJ3002X1-BA1 12P06801X122. Undocumented suffix-specific features are intentionally excluded.

System position

Exact identity KJ3002X1-BA1 12P06801X122	System family DeltaV M-series	Functional role DeltaV Analog Input Card	Release basis Recorded test and diagnostics
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Control the identity boundary

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.

IDENTITY / RESOURCE	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

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

CONTACT APTER POWER

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com



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Interfaces and integration

Trace the installed signal path

Trace the installed power, signal, communication and terminal path before changing any hardware or configuration. Keep the complete item marking linked to the

Complete item marking	KJ3002X1-BA1 12P06801X122
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Input channels	8

Define the receiving position

The host review links the physical slot, companion hardware and retained engineering revision to the offered item.

Host	DeltaV M-series
Primary role	eight-channel two-wire HART analog input
Acceptance	Recorded diagnostic response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Model, designation and complete label
Mechanical	Position, seating and retention
Electrical	Loop supply and field conductors
Processing	Range, limits and correction
Supervision	Supply, range and wire-break states
Release	Controlled test with retained result

Configuration ownership

Keep assigned channel values under the approved project record.

Acceptance ownership

Name the retained result that authorizes handover of the measurement path.

Technical resource bands

Only capabilities tied to the exact execution appear here; operating assignments remain configuration-controlled.

PARAMETER	VALUE	PARAMETER	VALUE
Complete item marking	KJ3002X1-BA1 12P06801X122	Field power	24 V DC at 300 mA maximum
Documented base model	KJ3002X1-BA1	Field circuit	24 V DC at 32 mA per channel
Input channels	8	Operating temperature	-40 to 70°C
Input topology	2-wire transmitter	Storage temperature	-40 to 85°C
Signal range	4 to 20 mA	Relative humidity	5 to 95%, non-condensing
Digital protocol	HART pass-through	Airborne contaminants	ISA-S71.04-1985 G3
LocalBus power	12 V DC at 150 mA maximum		
Label decision Accept the stated part number only when the complete installed identity agrees.		Circuit decision Confirm the recorded field-circuit arrangement before reconnecting any loop.	
Processing decision Restore channel processing from the approved project rather than a neighboring position.		Evidence decision Use diagnostic observations and a controlled response to support final handover.	

Engineering boundary

A similar faceplate or matching channel total does not prove interchangeability. Resolve the host position, connection scheme and controlled revision before use.

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Controls and service logic

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.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Resolve label, designation and receiving position
2. Compare	Review circuit type, processing and supervision
3. Restore	Rebuild the recorded connection and configuration state
4. Demonstrate	Retain diagnostic and functional acceptance evidence

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Engineering decisions

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

Emerson KJ3002X1-BA1 12P06801X122 is preserved exactly as supplied for a DeltaV analog-input position. Official documentation supports the KJ3002X1-BA1

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.

Which power boundary applies to Emerson KJ3002X1-BA1 12P06801X122?

For the documented base model, signal range is 4 to 20 mA.

Which environmental limit applies to Emerson KJ3002X1-BA1 12P06801X122?

For the documented base model, digital protocol is HART pass-through.

Related Apter Power pages

Emerson KJ3241X1-BA1 12P2506X032

Emerson KJ3222X1-BA1 12P2532X092 VE4003S2B2

Emerson PR6424/013-140 CON021/914-100

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

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