DELTAV SERIES 2

Product Data Sheet

KJ3225X1-BA1 12P4174X032

Eight-channel RTD input card

RTD INPUT CHANNELS	I/O GENERATION	CARD KEY POSITION	ENTITY VOLTAGE UO
8	**Series 2**	**C1**	**5.5 V**

Emerson KJ3225X1-BA1 12P4174X032 is an eight-channel RTD input card for the DeltaV Series 2 I/O architecture. It acquires resistance-temperature signals for the control system through the corresponding RTD field termination arrangement.

01 TECHNICAL DATA

RTD input channels	8
I/O generation	Series 2
Card key position	C1
Entity voltage Uo	5.5 V
Entity current Io per channel	0.6 mA
Entity current Io per card	4.8 mA
Entity power Po	0.4 mW
Permitted capacitance Co	1000 µF
Permitted inductance Lo	1000 mH

02 ADDITIONAL PRODUCT DATA

The Series 2 installation instructions identify the card at key position C1 and give energy-limited field-circuit entity values for hazardous-area design. These values include Uo of 5.5 V and Io of 0.6 mA per channel; they describe the certified circuit limits rather than an auxiliary power-supply requirement.

03 PRODUCT FUNCTION

Install the KJ3225X1-BA1 RTD card in the DeltaV Series 2 carrier and the corresponding RTD termination arrangement. Use the eight-channel RTD allocation and the card key position C1 from the installation instructions rather than a thermocouple or 4-20 mA card mapping.

04 SYSTEM COMPATIBILITY

For an installation using energy-limited field circuits, evaluate the documented entity parameters together with the connected instrument and cable. Uo, Io, Po, Co and Lo are assessment limits; they must not be interpreted as normal measurement range or local-bus supply ratings.

05 DOCUMENT BASIS

Emerson manufacturer documentation. Selected source pages: 1, 2, 3, 4, 5, 6, 12.

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