

Installation Instructions

POINT I/O 4 Channel High Density Current Input Module

Catalog Number 1734-IE4C

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Default Data Map for the 1734-IE4C Analog Input Module

Message size: 12 Bytes

Byte	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00
Produces (scanner Rx)	Input Channel 0 High Byte								Input Channel 0 Low Byte							
	Input Channel 1 High Byte								Input Channel 1 Low Byte							
	Input Channel 2 High Byte								Input Channel 2 Low Byte							
	Input Channel 3 High Byte								Input Channel 3 Low Byte							
	Status Byte for Channel 1								Status Byte for Channel 0							
	O R	U R	H H A	L L A	H A	L A	C M	C F	O R	U R	H H A	L L A	H A	L A	C M	C F
Status Byte for Channel 3								Status Byte for Channel 2								
O R	U R	H H A	L L A	H A	L A	C M	C F	O R	U R	H H A	L L A	H A	L A	C M	C F	
Consumes (scanner Tx)	No consumed data															

Where:

- CF = Channel Fault status; 0 = no error, 1 = fault
- CM = Calibration Mode; 0 = normal, 1 = calibration mode
- LA = Low Alarm; 0 = no error, 1 = fault
- HA = High Alarm; 0 = no error, 1 = fault
- LLA = Low/Low Alarm; 0 = no error, 1 = fault
- HHA = High/High Alarm; 0 = no error, 1 = fault
- UR = Underrange; 0 = no error, 1 = fault
- OR = Overage; 0 = no error, 1 = fault

Specifications

IMPORTANT

Note that the Input update rate and Step response for 1734-IE4C module differs from that of catalog number 1734-IE2C module.

Input Specifications

Attribute	Value
Number of inputs	4 analog, single-ended, non-isolated
Resolution	16 bits – over 0...21 mA 0.32 μ A/cnt
Input current terminal	4...20 mA 0...20 mA
Absolute accuracy ⁽¹⁾ Current terminal	0.1% Full Scale @ 25 °C
Accuracy drift w/temp. Current terminal	30 ppm/°C
Input update rate (per module)	200 ms @ Notch = 60 Hz (default) 240 ms @ Notch = 50 Hz 120 ms @ Notch = 100 Hz 100 ms @ Notch = 120 Hz 60 ms @ Notch = 200 Hz 50 ms @ Notch = 240 Hz 40 ms @ Notch = 300 Hz 30 ms @ Notch = 400 Hz 25 ms @ Notch = 480 Hz
Step response (per channel)	50 ms @ Notch = 60 Hz (default) 60 ms @ Notch = 50 Hz 30 ms @ Notch = 100 Hz 25 ms @ Notch = 120 Hz 15 ms @ Notch = 200 Hz 12.5 ms @ Notch = 240 Hz 10 ms @ Notch = 300 Hz 7.5 ms @ Notch = 400 Hz 6.25 ms @ Notch = 480 Hz