

1734 Analog Temperature Input Modules Technical Specifications

	1734-IR2	1734-IR2E	1734-IT2I
External DC supply current, nom	15 mA @ 24V DC		—
Terminal base unit	1734-TB, 1734-TBS, 1734-TOP, or 1734-TOPS		1734-TBCJC
Keyswitch position	6		

⁽¹⁾ Includes offset, gain, non-linearity and repeatability error terms.

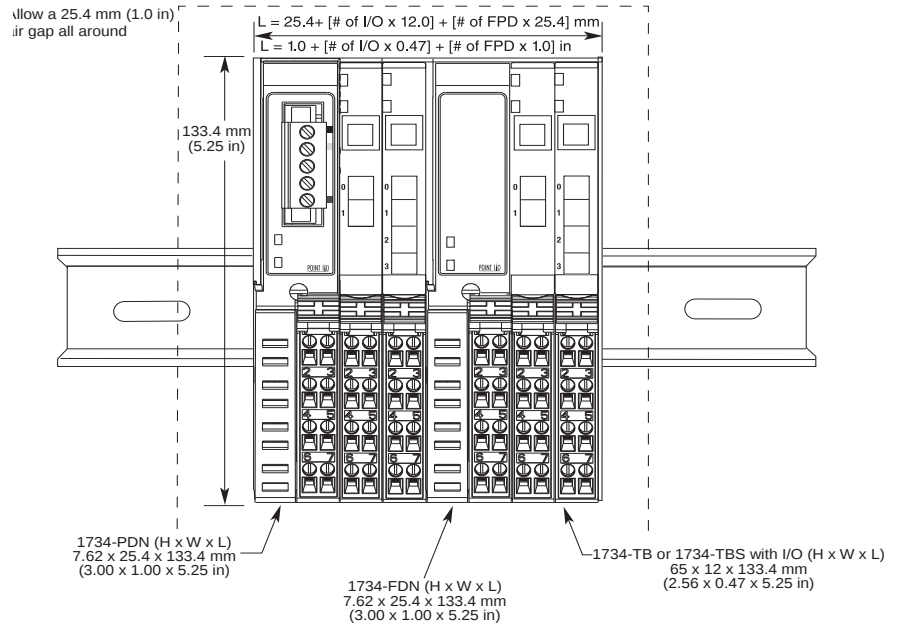
Analog Output Modules**1734 Analog Output Modules Technical Specifications**

	1734-OE2C	1734-OE2V	1734-OE4C
Number of outputs	2		4
Output signal range	4...20 mA 0...20 mA	0...10V ±10V	4...20 mA 0...20 mA
Output resolution	13 bits - over 0...21 mA 2.5 µA/cnt	14 bits (13 plus sign) 1.28 mV/cnt in unipolar or bipolar mode	16 bits - over 0...21 mA 2.5 µA/cnt
Data format	Signed integer		
Accuracy	Current output: 0.1% Full Scale @ 25 °C ⁽¹⁾	Voltage output: 0.1% Full Scale @ 25 °C ⁽¹⁾	Current output: 0.1% Full Scale @ 25 °C ⁽¹⁾
Accuracy drift w/temp.	Current output: 30 ppm/°C	Voltage output: 5 ppm/°C	Current output: <50 ppm/°C
Step response to 63% of FS, output	Current output: 24 µs	Voltage output: 20 µs	Current output: 40 µs
Output conversion rate	16 µs	20 µs	1 µs
POINTBus current	75 mA @ 5V DC		
Power dissipation, max	750 Ω load on each output - 1.23W 0 Ω load on each output - 1.83W	1.0W	750 Ω load on each output - 1.86W 0 Ω load on each channel - 2.15W
Thermal dissipation, max	750 Ω load on each output - 4.19 BTU/hr 0 Ω load on each output - 6.24 BTU/hr	3.4 BTU/hr	750 Ω load on each output - 6.34 BTU/hr 0 Ω load on each channel - 7.33 BTU/hr
Terminal base unit	1734-TB, 1734-TBS, 1734-TOP, or 1734-TOPS		
Keyswitch position	4		

⁽¹⁾ Includes offset, gain, non-linearity and repeatability error terms.

Approximate Mounting Dimensions

POINT I/O with 1734-PDN Mounting Dimensions



IMPORTANT

When mounting the 1734-IB8S, 1734-OB8S, and 1734-IE4S modules, ensure that there is 2 in. of clearance space above the POINT rail.