FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

MODEL IAC200

2–4 Channel Summing Junction Box

AVAILABLE AMPLIFIER: 4-20 mA, ANALOG OUTPUT (OPTIONAL)

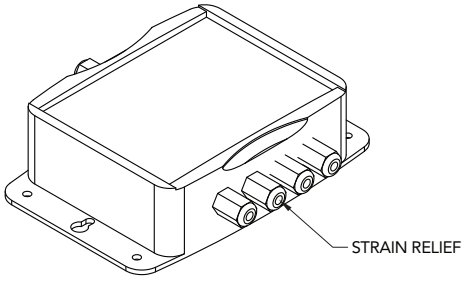


FEATURES

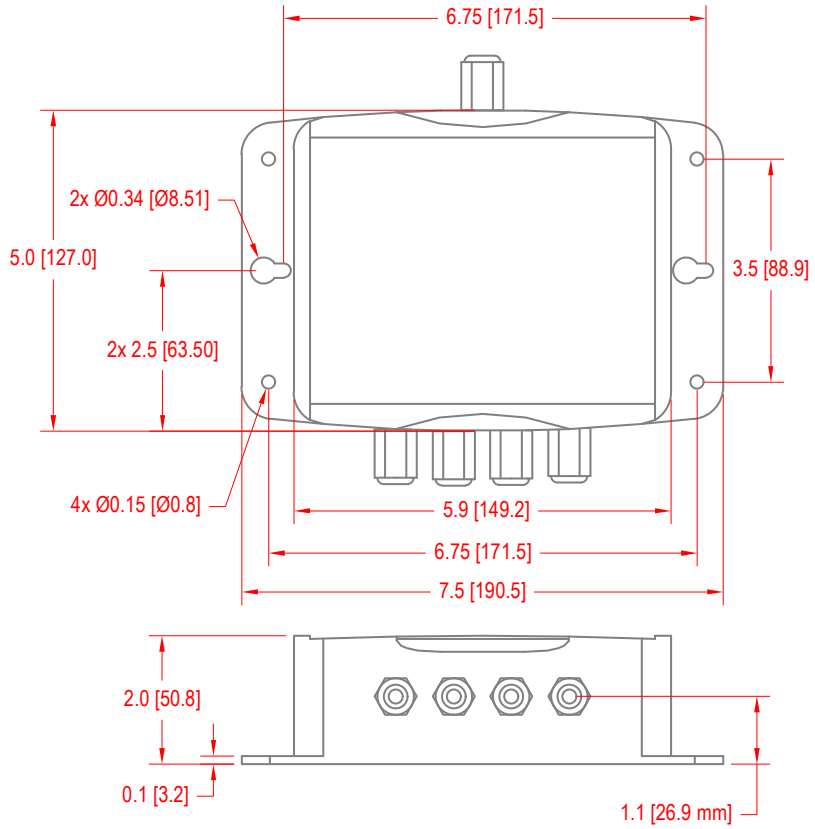
- Excitation
  - mV/V Version: Refer to sensor infosheet for max excitation, system not to exceed 24 VDC
  - 14–26 VDC Voltage; 12.5–26 VDC Current version.
- Dip Switch Selectable Channels (2–4)
- Individual Span Adjustment For All 4 Channels
  350 Ohm bridge - 13%
  700 Ohm bridge - 24%
  1000 Ohm bridge - 31%
- Easy Access Screw Terminal Blocks
- Cable Strain Relief To Support Cables From Ø 0.08 [Ø 2.0] to Ø 0.25 [Ø 6.35]
- Dual Mounting Holes
- IP65/NEMA 4X Rated Housing
  UV Stable 94V-2 Polycarbonate Material

ENVIRONMENT

- Operating Temperature:
  32° F to 158° F (0°C to 70°C)
- Storage Temperature:
  -40° F to 185° F (-40°C to 85°C)
- 95% Relative Humidity Non-Condensing



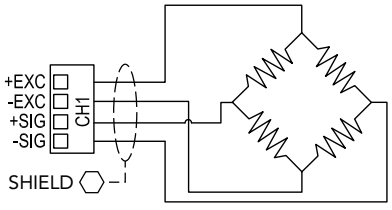
DIMENSIONS inches [mm]



OUTPUT CONNECTIONS

	PIN 1 IN +	PIN 2 IN –	PIN 3 OUT +	PIN 4 OUT –	N/C
STRAIN	+EXC	–EXC	+SIG	–SIG	SHIELD
VOLTAGE	+POWER	GND	V OUT	V RETURN	SHIELD
CURRENT	+POWER	GND	I OUT	I RETURN	SHIELD

SENSOR CONNECTIONS



* Please see sensor specifications for correct color code

* VOLTAGES
  Strain: See Sensor Specifications For Max Level
  Voltage: 14–26 VDC @ 150 mA For ±PWR
  Current: 14–26 VDC @ 150 mA For ±PWR

OUT – (WHITE)	☐
OUT + (GREEN)	☐
IN – (BLACK)	☐
IN + (RED)	☐

RoHS ANSI Z540-1 ISO 17025 ISO 9001 ISO 13485 U.S. Manufacturer

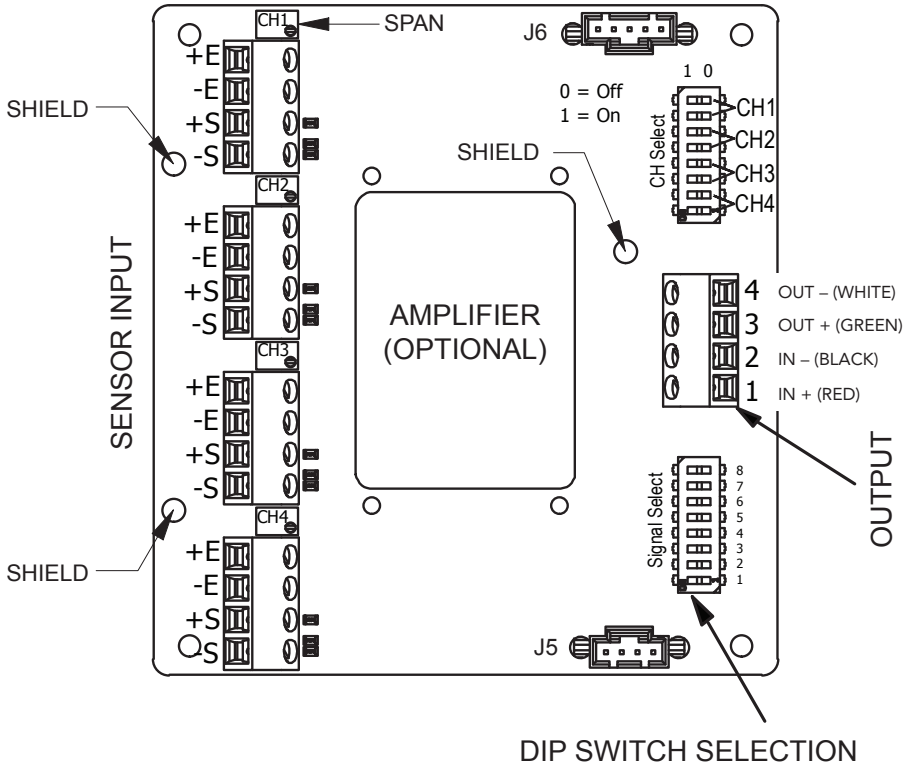
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BOARD VIEW



VERSIONS

ITEM #	Output
FSH04735	Non-Amplified Version, mV/V
FSH04736*	Amplified Version (Voltage), ±5 VDC, ±10 VDC
FSH04737*	Amplified Version (Current), 4–20 mA,

*Refer to IAA100/IAA200 spec sheet for Voltage and Current versions

*For mV/V operation unplug ribbon connectors from J5 and J6, and change the DIP Switch Selection accordingly

DIP SWITCH SELECTION (SIGNAL SELECT)

	1	2	3	4	5	6	7	8
S (mV/V)	1	0	1	1	0	0	1	0
V (VDC)*	0	1	1	0	1	0	0	1
I (mA)*	0	1	1	0	0	1	0	1

* Use with amplifier option only

Drawing Number: FI1556

FUTEK reserves the right to modify its design and specifications without notice. Please visit http://www.futek.com/salesterms for complete terms and conditions.

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