

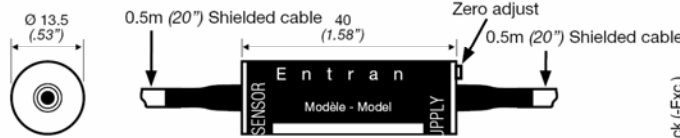


IAM Amplifiers

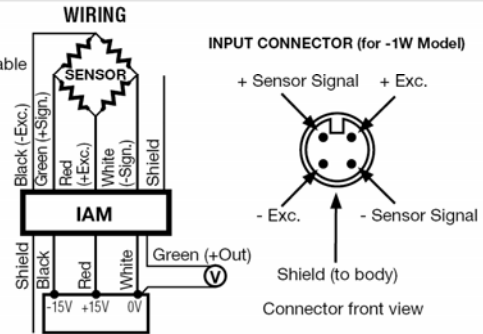
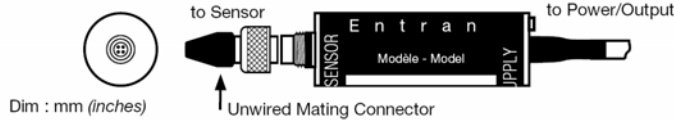
Small In-line Modules - Fixed or Unregulated Excitation

IAM Amplifier for Fixed Excitation

-WW Model



-1W Model



Amplifier Performance

GAIN (G) ±5%:	1, 10, 20, 50, 100, 200, 500 or 1000
BANDWIDTH (-3dB) nom.:	100KHz
SLEW RATE:	4V/µs
POWER REQUIRED:	15 = ±15VDC
OUTPUT SIGNAL:	±12V max.
OUTPUT CURRENT max.:	5mA
INPUT IMPEDANCE nom.:	1GΩ
OUTPUT IMPEDANCE nom.:	1Ω
BASE LINE (NULL) ADJUSTABILITY:	±5V
NON-LINEARITY:	0.1% max.

Supply For Sensors, General Characteristics, Options & Accessories

SENSOR SUPPLY VOLTAGE:	05 = 5V 10 = 10V 15 = 15V
SENSOR SUPPLY CURRENT max.:	15mA
COMMON MODE REJECTION:	100dB typ. @ G= 100 to 1000
INPUT PROTECTION:	Reverse Polarity Protected
OUTPUT PROTECTION:	Short Circuit Protected
CE CONFORMANCE:	EN61010-1, EN 50081-1, EN 50082-1
OPERATING TEMPERATURE:	-20°C to 70°C (-4°F to 158°F)
STORAGE TEMPERATURE:	-55°C to 125°C (-67°F to 257°F)
WIRING:	WW = Shielded cable input and output 1W = Male connector on Input Side, type EM4 with unwired mate (will <u>not</u> mate with Option C connector), shielded cable on Output Side
SPECIAL OUTPUT CABLE LENGTH:	L00F = Replace "00" with total length in feet. L00M = Replace "00" with total length in meters.
CONNECTOR WIRED TO OUTPUT CABLE:	C = Microtech type male or equivalent on Output Side only (w/o mate), style EC-CM4 RS = RJ Telephone type male (w/o mate) WI = Wire to sensor
WIRE AMPLIFIER INPUT TO A SENSOR:	

Model Number construction

IAM Series	-	15	/05	/500	-	W	W	-	/WI/L3M/C
		Power Required	Sensor Supply Voltage	Gain		(IN)	(OUT)		Options
						Cable or Connector			
		15	05	10 200		WW			C or RS
			10	20 500		1W			L00F or L00M
			15	50 1000					WI