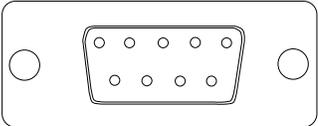


H - SERIES PYROELECTRIC / RECEIVER

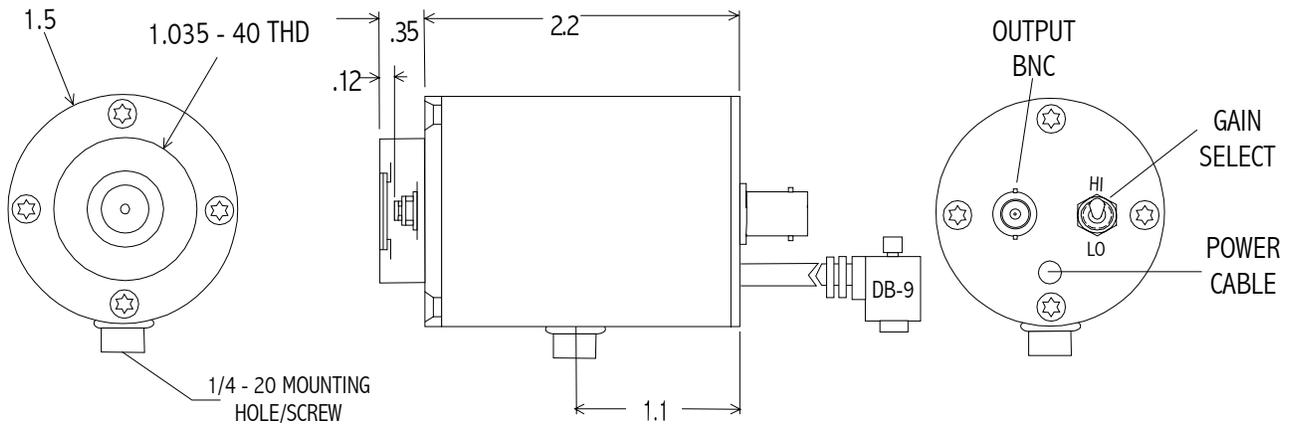
Application Note This unit is a high performance pyroelectric/receiver operated at ambient temperature with a dual gain voltage amplifier. The LT Unit is an AC coupled dual gain detector system requiring a modulated input signal for operation.

Part Number:
LT - 050 - H



DB-9 PIN OUT

1	NO CONNECT	6	+V
2	NO CONNECT	7	-V
3	NO CONNECT	8	GND
4	NO CONNECT	9	CASE GND
5	NO CONNECT		



SPECIFICATIONS

Detector Type	5 mm dia Lithium Tantalate
Operating Temperature- °C	22
Operating Wavelength- μm	2 - 16 (Other Windows Available)
Responsivity- V/W	10⁴ / 10³
Noise- V/Hz^{1/2} @ 10.	50. x 10⁻⁶ / 10⁻⁷
NEP- W/Hz^{1/2} @ 10 Hz	< 5.0 x 10⁻⁹
Bandwidth (-3dB)- Hz	1 - 30
Power Requirements	+/- 9 VDC to +/- 15 VDC
Connections	BNC signal output. Shielded power cable terminated with a DB-9 connector directly couples the unit with the PS -1 Low Noise Power Supply.