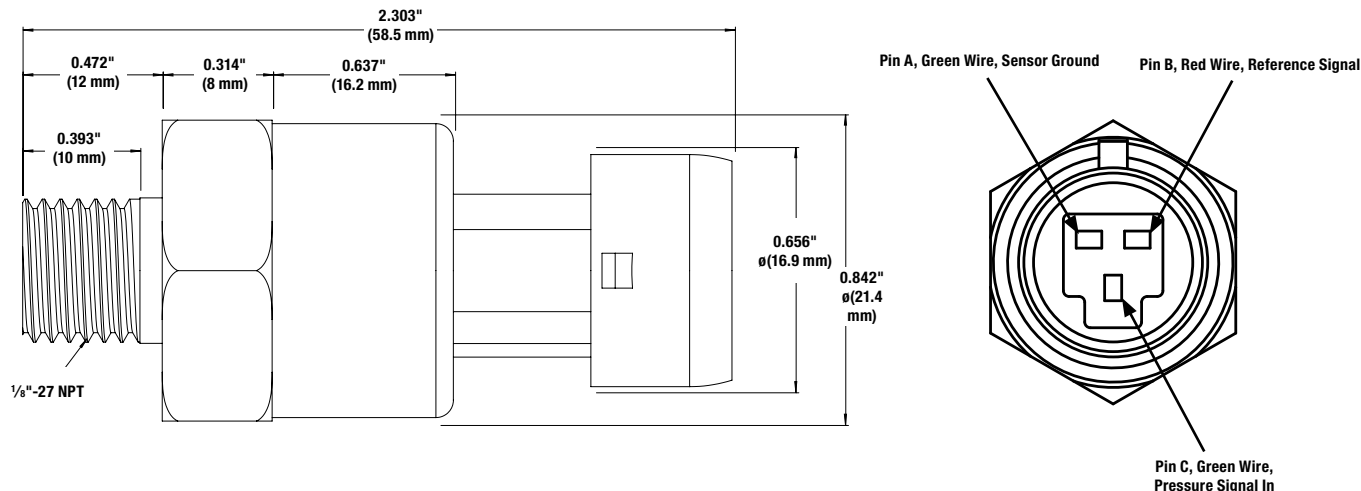


Submittal

Job _____ Designer _____ Contact _____

Pressure Sensor 089

The Pressure Sensor 089 provides a ratiometric signal to a controller to measure the pressure of a hydronic system between 0 to 15 psi (0 to 103 kPa). The sensor bulb is designed to install into a tee using 1/8"-27 NPT threads and includes a 10 foot (3 m) long cable.



Call customer service if you need assistance with technical details.

Features

- 15 psi or 103 kPa
- 10' (3 m) cable
- Ratiometric signal

NOTICE

The Pressure Sensor 089 must be installed downstream of a 1/4" steam gauge siphon (pigtail) to prevent premature failure.

TECHNICAL DATA	
Pressure Sensor 089	
Literature	Submittal, Installation and Operating Manual
Maximum Operating Pressure	0 to 15 psi (0 to 103 kPa)
Operating Temperature Range	-40 to 257°F (-40 to 125°C)
Burst Pressure	450 psi (3102 kPa)
Acceptable Fluid Media	Water, glycol solution, steam
Dimensions	0.87" ϕ x 2.3" L (22.0 mm ϕ x 58.5 mm L) cable: 10 feet (3.0 m).
Threads	1/8-27 NPT
Sensor	5 V(dc) ratiometric signal, +/-1% accuracy
Materials	304 stainless steel (sensor bulb); 3-conductor, 24 AWG with PVC cable jacket
Packaged Weight	0.40 lb. (180 g)

tekmar product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact tekmar Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on tekmar products previously or subsequently sold.

Pressure Vs Voltage Table

Pressure (psi)	Pressure (kPa)	Ratiometric Voltage (Vdc)
0	0	0.50
0.5	3.4	0.63
1.0	6.9	0.77
1.5	10	0.90
2.0	14	1.03
2.5	17	1.17
3.0	21	1.30
4.0	28	1.57
5.0	35	1.83
6.0	41	2.10
7.0	48	2.37
8.0	55	2.63
9.0	62	2.90
10.0	69	3.17
11.0	76	3.43
12.0	83	3.70
13.0	90	3.97
14.0	97	4.23
15.0	103	4.50

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.



A WATTS Brand

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