

General Specifications

Pressure Range

Gauge = 0.8 to 800 PSIG
Proof = 5000 PSIG

Sensor Element – Diaphragm

Set Point Options

J205G – Factory set, field adjustable, or a combination of both.

J205LG NEMA IV – Factory set to customer specification, **non-adjustable**.

Temperature Range

-65°F to +225°F (-54°C to +107°C)
A set point change of up to 2% of sensor capacity may be anticipated when the switch is used either below -10°F or above +125°F.

Cycling – Not to exceed 100 CPM.

Weight – 4.0 Oz. (approx.)

Weight varies with electrical interface selection.

Construction Materials

Wetted Parts – J205G/J205LG NEMA IV

BODY – 303 Stainless steel

DIAPHRAGM – 316 Stainless steel

O RING – Buna N standard
Special material available upon request.

SEALING COMPOUND – Loctite #271

FITTING – 303 Stainless steel
Standard thread = 1/8-27 NPT male

Optional threads = 1/4-18 NPT male
1/4 VCR male
7/16-20 UNF male



J205G



J205LG NEMA IV

Non-Wetted Parts

LOCK RING – Zinc alloy, chromate finish

SWITCH HOUSING – Zinc alloy, chromate finish

CAPS & ACCESSORIES – Black valox and brass terminals

Non-Wetted Parts

LOCK RING – 300 Series stainless steel
SWITCH HOUSING – Zinc alloy, chromate finish

POTTING – Epoxy

SLEEVE – Anodized aluminum

WIRE – L TYPE INTERFACE

Standard – supplied #20 AWG
Insulated with polyvinyl chloride – 300 volts

COLOR CODE: Black – Common
White – N.O.
Red – N.C.

Sensor Code and Performance Tables

| SENSOR CODE | TABLE A | | | TABLE B | |
|-------------|---------------|----------------|-------------------------|-----------------|-----------------|
| | MAX.SET POINT | WORKING PROOF* | SET POINT REPEATABILITY | SET POINT RANGE | |
| | PSIG | PSIG | PSIG | DECREASING PSIG | INCREASING PSIG |
| 2S | 20 | 5000 | ± 0.8 | 0.8 - 16.3 | 1.2 - 20.0 |
| 5S | 50 | 5000 | ± 2.0 | 2.0 - 42.5 | 2.0 - 50.0 |
| 10S | 100 | 5000 | ± 4.0 | 4.0 - 91.0 | 4.0 - 100.0 |
| 25S | 250 | 5000 | ± 10.0 | 10.0 - 222.0 | 10.0 - 250.0 |
| 50S | 500 | 5000 | ± 20.0 | 20.0 - 432.0 | 20.0 - 500.0 |
| 80S | 800 | 5000 | ± 40.0 | 50.0 - 700.0 | 100.0 - 800.0 |

*Exceeding sensor capacity may cause shift in set point.

For the reset differential range for the J205G and J205LG consult factory.

CAUTION: Customer media and environment must be compatible with construction materials as outlined above.

