

KRT PRESSURE SWITCHES



Flow
Pressure
Level
Temperature
measurement
monitoring
control



- Industrial and Marine Applications
- NEMA 4 or 3R Enclosure
- Rugged and Reliable
- Differential Pressure Units Available

P3



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Model:
KRT



The KRT is a pressure operated switch suitable for industrial or marine gas and low viscosity fluid applications. Selection includes absolute, relative and differential pressure switches with either fixed or adjustable hysteresis (dead band). In keeping with our philosophy of robust design, the KRT is build according to NEMA 4 specifications (NEMA 3R for units with an external reset feature).

The KRT is ideal for applications such as pump protection, safety pressure control for steam boilers, as well as more conventional use as a regular pressure switch. As with our KPS/KAS line, installations include manufacturing plants, diesel units, compressors of all types, power stations and ships.

Technical Specifications

Contact Rating (SPDT)

- AC:** 380 V, 4 A inductive load
380 V, 10 A resistive load
- DC:** 220 V, 12 W
Max. starting current 28A.
Gold Plated Contacts available for low voltage applications.

Temperature Requirements

- Ambient:** -40°F to 160°F
- Medium:** -40°F to 300°F
KRT-5196 to 190°F

Enclosure:

- NEMA 4
NEMA 3R w. ext. reset

Fittings:

- 1/4" NPT, Brass

Wetted Parts:

- Brass, SS,
Carbon Steel

Repeatability:

- ± 0.25% of Full Scale

Approvals

- Japan:** Nippon Kaiji Kyokai¹
- Norway:** NEMKO
- UK:** Lloyds Register of Shipping¹
- Germany:** Germanischer Lloyd
- Italy:** Registro Italiano Navale¹
- Poland:** Polski Rejestr Statków¹
- USSR:** USSR Register of Shipping
- Denmark:** DEMKO
- Switzerland:** SEV
- Finland:** Sähkötarkastuskeskus

¹ Some exceptions. Please call for further information.

Ordering Data

| Ordering Data | | | | | | |
|---------------|--------------------------------|-------------|------------------------------|-----------------------|--------------------------|----------------|
| | Single Input Pressure Switches | | | | | |
| | Model Number | Range bar* | Hysteresis (adjustable) bar* | Maximum Pressure bar* | External Reset Available | |
| | KRT-5215 | -1 to 0 | 0.1 to 0.4 | 7 | No | |
| | KRT-5196 | 0 to 0.3 | 0.01 to 0.05 | 0.5 | No | |
| | KRT-5191 | 0.1 to 1.1 | 0.07 to 0.16 | 7 | No | |
| | KRT-5192 | 0.1 to 1.1 | 0.07 | 7 | Maximum | |
| | KRT-5292 | 0.2 to 3 | 0.08 to 0.25 | 7 | No | |
| | KRT-5237 | 0.2 to 6 | 0.25 to 1.2 | 25 | No | |
| | KRT-5238 | 0.2 to 6 | 0.25 | 25 | Maximum | |
| | KRT-5239 | 0.2 to 6 | 0.25 | 25 | Minimum | |
| | KRT-5203 | 1 to 10 | 0.3 to 1.3 | 25 | No | |
| | KRT-5204 | 1 to 10 | 0.3 | 25 | Maximum | |
| | KRT-5199 | 1 to 10 | 0.3 | 25 | Minimum | |
| | KRT-5255 | 4 to 17 | 1.2 to 4 | 25 | No | |
| | KRT-5295 | 10 to 30 | 1 to 4 | 45 | No | |
| | Differential Pressure Switches | | | | | |
| | Model Number | Range bar* | Hysteresis (adjustable) bar* | Maximum Pressure bar* | Operating Pressure | |
| | | | | | Low Side bar* | High Side bar* |
| | KRT-0081 | 0 to 0.5 | 0.05 to 0.28 | 7 | -1 to 4 | 5 |
| | KRT-0045 | 0.1 to 1.0 | 0.05 to 0.23 | 7 | -1 to 4 | 5 |
| KRT-0043 | 0.1 to 1.5 | 0.1 to 0.33 | 12 | -1 to 6 | 9 | |
| KRT-0048 | 0.5 to 4 | 0.3 to 0.9 | 25 | -1 to 12 | 14 | |

* 1 bar = 14.5 PSI