



PRESSURE

ROOM PRESSURE MONITOR / TRANSMITTER KRPC SERIES

DESCRIPTION

The Kele KRPC Series room pressure monitor is used to measure differential pressure in the range of $\pm 0.125"$ to $1"$ WC or ± 30 to 250 Pa. It combines precision high sensitivity silicon sensing capabilities and the latest ASIC technology to substantially reduce offset errors due to changes in temperature, stability to warmup, long term instability and position sensitivity. It is ideal for monitoring pressure for air or other clean inert gas. It features field selectable bi-directional pressure ranges and output signal types for the most flexible application. The device has an on-board auto-zero function, backlit LCD and alarm function with silence switch.

FEATURES

- Low pressure monitoring to $\pm 0.125"$ WC (30 Pa)
- Four selectable ranges per model
- Selectable analog output model
- BACnet communications model
- Alarm functions with selectable trip point
- Easy set up via menu on LCD display

NEW!

Kele

BACnet



KRPC with Display



KAA-1



KAC



KRPM

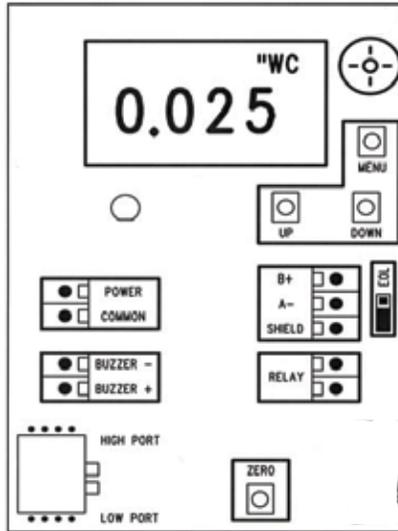
SPECIFICATIONS

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|---|---|
| Supply Voltage | 24 Vac/dc $\pm 10\%$, 70 mA max |
| Signal Output (Volts, Current, Switch) | Analog out optional (No BACnet) 0 to (5, 10) VDC @ 2 K Ω min |
| Voltage (3w) | 4-20mA sourcing, 750 Ω max |
| Current (3w) | SPST N.O., 2A @ 120VAC or 30 VDC |
| Alarm Relay | Adjustable High & Low pressure limits |
| ALM. Limits | Selectable 0-10 minutes |
| ALM. Delay | Adjust Local Set on touch screen for alarm relay |
| Setpoint (SP) | Single room differential pressure monitor |
| Control Type | Optional BACnet MS/TP (No analog out) |
| Communication (if Any) | |
| Field Interface Devices (Order Separately) | RPS SS room pressure probe |
| Display/Audible (if any) | Red LED for alarm |
| Display | 3-1/2 digit backlit LCD, 0.45"H, (WC or Pa) |
| Audible (Internal) | 85 dB buzzer w/silence button, (Selectable volume) |
| Audible Output | 24VDC @ 20mA max |
| Accuracy | Auto zero internal push button $\pm 1\%$ F.S. from ($\pm 1"$ to $\pm 0.25"$) WC $\pm 2\%$ F.S. at $\pm 0.125"$ WC |
| Resolution | Averaging from 1-60 sec., menu selectable (5s default) |
| Sensor Type | ASIC silicon sensor |
| Normal Measurement Range | High/Low range selected by order |

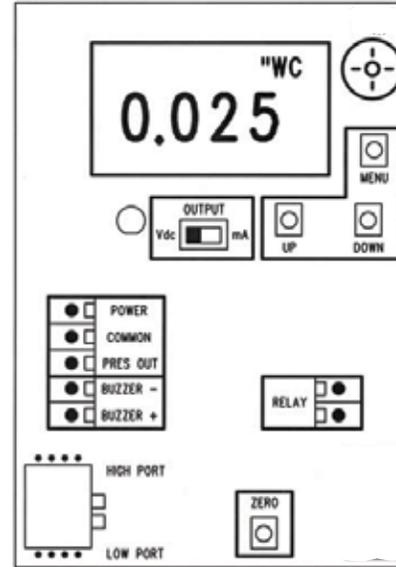
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|---------------------------------------|--|
| High Range Field Selectable | $\pm 1.0"$ or $\pm 0.5"$ WC, (± 250 Pa or ± 125 Pa) |
| Low Range Field Selectable | $\pm 0.25"$ or $\pm 0.125"$ WC, (± 60 Pa or ± 30 Pa) |
| Overpressure (Burst) | 200"WC (49.8 kPa) |
| Max Operating Pressure (Proof) | 100"WC (24.9 kPa) |
| Operating Temperature | 32° to 140°F (0° to 60°C) |
| Operating Humidity | 10-90% RH non-condensing |
| Wetted Parts | Silicone |
| Media Compatibility | Inert dry air |
| Process Connection | Two-1/8" ID ports w/Adapters, for 1/4" OD tubing |
| Wiring Terminations | 5-8 Terminals (14-22 AWG) |
| Mounting | Slotted back plate for surface or BB wall mount |
| Enclosure Rating | NEMA 1 (IP30), White ABS plastic |
| Dimensions | 3.3"W x 4.7"H x 1.15"D, (8.4 x 11.9 x 2.9 cm) |
| Weight | 0.25 lb (0.11 kg) |
| Approvals | CE, RoHS |
| Warranty | 1 year |



INSTALLATION FOR BACNET



INSTALLATION FOR ANALOG



ORDERING INFORMATION

| MODEL | DESCRIPTION |
|--------------|--|
| KRPC1 | Room pressure monitor, +/- 1.0"wc, +/-0.5"wc, +/-125 Pa, +/-250 Pa ranges (selectable) |
| KRPC1-AC | Room pressure monitor, +/- 1.0"wc, +/-0.5"wc, +/-125 Pa, +/-250 Pa ranges (selectable) with continental pick-up port |
| KRPC1-BAC | Room pressure monitor, +/- 1.0"wc, +/-0.5"wc, +/-125 Pa, +/-250 Pa ranges (selectable) and BACnet communications |
| KRPC1-BAC-AC | Room pressure monitor, +/- 1.0"wc, +/-0.5"wc, +/-125 Pa, +/-250 Pa ranges (selectable) with continental pick-up port and BACnet communications |
| KRPC1-BAC-SP | Room pressure monitor, +/- 1.0"wc, +/-0.5"wc, +/-125 Pa, +/-250 Pa ranges (selectable) with stainless plate pick-up port and BACnet communications |
| KRPC1-SP | Room pressure monitor, +/- 1.0"wc, +/-0.5"wc, +/-125 Pa, +/-250 Pa ranges (selectable) with stainless plate pick-up port |
| KRPC2 | Room pressure monitor, +/- 0.25"wc, +/-0.125"wc Pa, +/-30 Pa, +/-60 Pa ranges (selectable) |
| KRPC2-AC | Room pressure monitor, +/- 0.25"wc, +/-0.125"wc Pa, +/-30 Pa, +/-60 Pa ranges (selectable) with continental pick-up port |
| KRPC2-BAC | Room pressure monitor, +/- 0.25"wc, +/-0.125"wc Pa, +/-30 Pa, +/-60 Pa ranges (selectable) and BACnet communications |
| KRPC2-BAC-AC | Room pressure monitor, +/- 0.25"wc, +/-0.125"wc Pa, +/-30 Pa, +/-60 Pa ranges (selectable) with continental pick-up port and BACnet communications |
| KRPC2-BAC-SP | Room pressure monitor, +/- 0.25"wc, +/-0.125"wc Pa, +/-30 Pa, +/-60 Pa ranges (selectable) with stainless plate pick-up port and BACnet communications |
| KRPC2-SP | Room pressure monitor, +/- 0.25"wc, +/-0.125"wc Pa, +/-30 Pa, +/-60 Pa ranges (selectable) with stainless plate pick-up port |
| KRPM | Stainless plate pick-up port |
| KAA-1 | Remote audible alarm |

ACCESSORIES

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|--------------|--|
| KAA-1 | Remote audible alarm |
| KAC | Pressure pick up port (continental) |
| KRPM | Stainless steel plate pick-up port |
| T-101 | 1/4" OD Poly Tubing 250' spool |
| T-141 | 1/4" OD Poly Tubing 250' spool - anti kink |