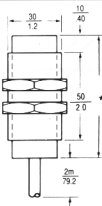
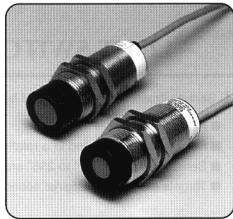


PCUC SERIES PIEZOELECTRIC ANALOG OUTPUT ULTRASONIC PROXIMITY SENSORS Analog Versions Only



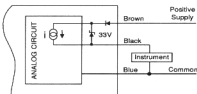
- 4 TO 30" OR 8 TO 72" Range Options, Adjustable
- Normal Outputs: 4 to 20 mA or 0 to 10 VDC
- Inverted Outputs: 20 to 4 mA or 10 to 0 VDC
- Output Stable: Will not fluctuate with power supply changes
- * = 70mm (2.8") for 4-30" Units
- * = 80mm (3.2") for 8-72" Units
- PVC 3 Cond. 24 AWG Shielded Cable

POWER REQUIREMENTS AI, AII: 12 to 26 VDC @ 50 mA max.
POWER REQUIREMENTS AV, AVI: 15 to 26 VDC @ 50 mA max.
SENSING RANGE: 4 to 30" or 8 to 72", Adjustable
WEIGHT: 9.0 oz. (255 gr.)

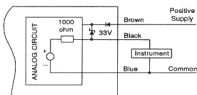
BEAM ANGLE: 10° Cone (Typical)
OPER. TEMP. RANGE: 32 to 122°F (0 to 50°C)
RESPONSE SPEED: 35 mS max.
ERROR: ± 1.5% max. @ Fixed Temperature

OUTPUT SPECIFICATIONS

OUTPUT CIRCUIT CONFIGURATION
ANALOG OUTPUT CURRENT (AI) SOURCING UNITS



OUTPUT CIRCUIT CONFIGURATION
ANALOG OUTPUT VOLTAGE (AV) SOURCING UNITS



CURRENT VERSIONS

Type AI: 4 to 20 mA current source, 20 mA @ max. distance.
 Type AII: 20 to 4 mA current source, 4 mA @ max. distance.
 Acceptable load resistance, 0 to 300 ohms.

VOLTAGE VERSIONS

Type AV: 0 to 10 VDC voltage source, 10 VDC @ max. distance.
 Type AVI: 10 to 0 VDC voltage source, 0 VDC @ max. distance.
 Acceptable load resistance, 50K ohm or larger.
 Units have 1K ohm source impedance in series with instrument.

Non-Linearity: ± 1.5% of measured distance max. @ fixed temperature.

Error Due to Temperature Change: .1%/°F (.2%/°C) of measured distance (typical).

MODEL NUMBER CONFIGURATION

Series ①	Housing ②	Max. Sensing Range ③	Output Type ④
PCUC30	M = Nickel Plated Brass M30 x 1.5 6g Thread P = Nylon 6.6 Glass Filled M30 x 1.5 8g Thread	30 = 30" 72 = 72"	AI = 4 - 20 mA AII = 20 - 4 mA AV = 0 - 10 VDC AVI = 10 - 0 VDC



ISO
9001

