

MODEL 450

Pressure Transducer

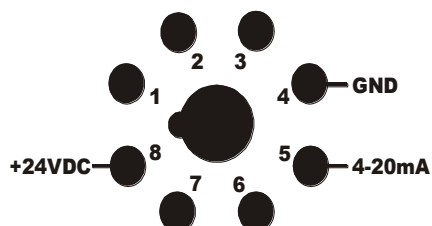


- 0-15 PSI air pressure input
- 4-20mA output
- Bubbler type system
- Can be used with any controller requiring a 4-20mA input
- 5 Year Unconditional Warranty

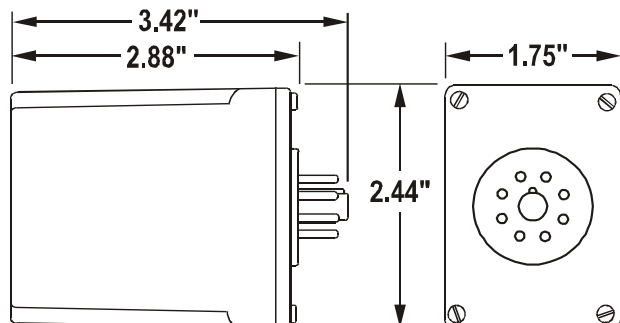
DESCRIPTION

The **Model 450 Pressure Transducer** provides the input signal for the 4042 Controller. A 0-15 psi input causes the 450 to output a proportional 4-20mA signal. The Model 450 can be mounted directly into the Model 4042 or it can be remotely mounted in an octal socket for use with any controller accepting a 4-20mA input.

PIN DRAWING



DIMENSIONS



(dimensions have tolerance of ± 0.06)



SPECIFICATIONS

Model	450
Input voltage	24VDC
Power consumption	1 watt maximum
Air pressure input	0 to 15 psi
Max. air pressure	30 psi
Input air supply fitting	requires 3/16" i.d. tubing
Repeat accuracy	$\pm 1\%$
Signal output	4-20mA proportional to 0-15 psi (in water; 0-15 psi = 0-34.6 feet at +77° F)
Max. load resistance	500 ohms
Compensated temperature	32° to +158° F
Operating temperature	-13° to +185° F
Humidity tolerance	0-97% w/o condensation
Case material	ABS plastic
Termination	*8-pin octal socket
Weight	3 oz.
Agency Approvals	UL Recognized (U.S. & Canadian)

*Order 8-pin socket number **51X120**

Telephone: Main - (918) 438-1220
Sales - (800) 862-2875
Fax: (918) 437-7584

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TIME MARK
CORPORATION

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MODEL 450

Pressure Transducer

READ ALL INSTRUCTIONS BEFORE INSTALLING, OPERATING OR SERVICING THIS DEVICE.
KEEP THIS DATA SHEET FOR FUTURE REFERENCE.

GENERAL SAFETY

POTENTIALLY HAZARDOUS VOLTAGES ARE PRESENT AT THE TERMINALS OF THE MODEL 450.
ALL ELECTRICAL POWER SHOULD BE REMOVED WHEN CONNECTING OR DISCONNECTING WIRING.
THIS DEVICE SHOULD BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL.

Installation Instructions

INSTALLATION

Mount the 8-pin socket for the model 450 in a suitable enclosure. A NEMA-1 rated enclosure, designed for socket-mounted devices, is available from Time Mark (part no. 98A498).

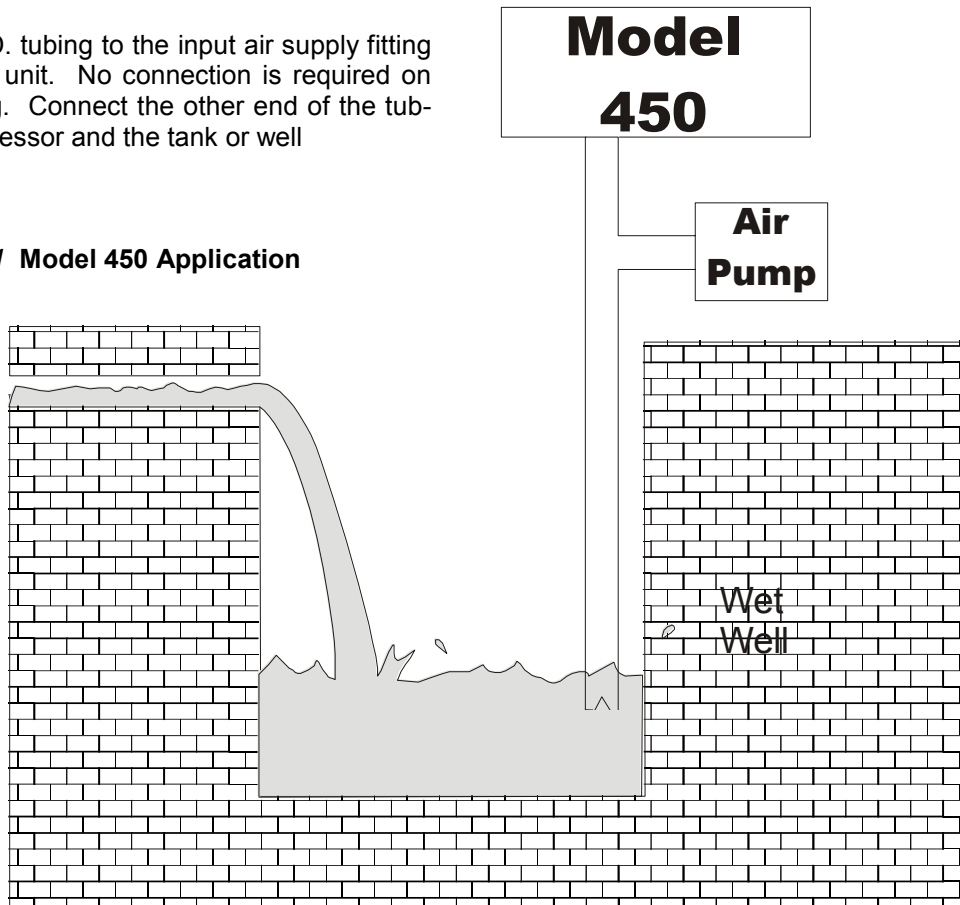
Connect the wiring as shown on the pin drawing or the front of the unit.

Connect a 3/16" I.D. tubing to the input air supply fitting on the front of the unit. No connection is required on the reference fitting. Connect the other end of the tubing to the air compressor and the tank or well (see figure 1).

WARRANTY

This product is warranted to be free from defects in materials and workmanship, and is covered by our exclusive **5-year Unconditional Warranty**. Should this device fail to operate for any reason, we will repair it for five years from the date of manufacture. For complete warranty details, see the *Terms and Conditions of Sales* page in the front section of the Time Mark catalog or contact Time Mark at 1-800-862-2875.

Figure 1 Model 450 Application



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