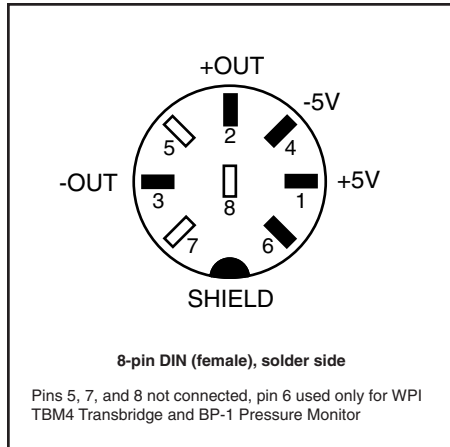




8-Pin Female DIN



This accessory is included with your WPI transducer to facilitate its adaptation to non-WPI bridge-type amplifiers. You should make certain before proceeding that your amplifier is compatible with the transducer requirements as explained below and on your transducer specification sheet.

OPERATION AND USE

The information contained in the diagram above and the paragraphs below should let you quickly reconfigure your WPI transducer to any compatible third-party bridge amplifier.

Your WPI transducer is supplied ready to use with our TBM4 Transbridge and BP-1 Pressure Monitors and can be quickly connected to the DA100 Differential Amplifier module available for the MP100WS data acquisition system via the optional TC102 Transducer Connector Interface. In addition, if you need to, you can adapt the transducer to most non-WPI bridge amplifiers. Along with the pin-out information for your WPI transducer, you need to know the pin-out information for your particular bridge amplifier's required connector.

We recommend that you first use the female DIN connector provided as an intermediate step to test the transducer/amplifier

combination before permanently removing our 8-pin DIN and replacing it with the required connector (if you wish to make the modification permanent).

WPI transducers require two excitation voltage inputs, a positive 5 volt input connected to pin 1 and a negative 5 volt input connected to pin 4. These two input voltages "excite" or power the bridge transducer. To record the transducer's output signal also requires two pins. Pin 2 carries the positive signal "out" of the transducer and Pin 3 carries the negative signal "out. of the transducer. The diagram to the left shows these connections as they would be made on the solder side of the female 8-pin DIN (WPI part number 3492). Therefore, pins 1, 4, 2, and 3 are the relevant connectors for adaptation to non-WPI equipment. The connection between pins 1 and 6 found in the male DIN connector attached to the end of all WPI transducers should not be duplicated on the 8-pin female DIN as it is useful only in conjunction with WPI bridge amplifiers. Finally, if you do choose to make the modification permanent by replacing the male 8-pin DIN with your amplifier's connector, you must also make sure that the shield is connected from the WPI transducer's cable to your new connector.

Note: For your convenience, WPI has available for sale the same shielded cable stock used for our transducers in 25-ft lengths, part number 5385.

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