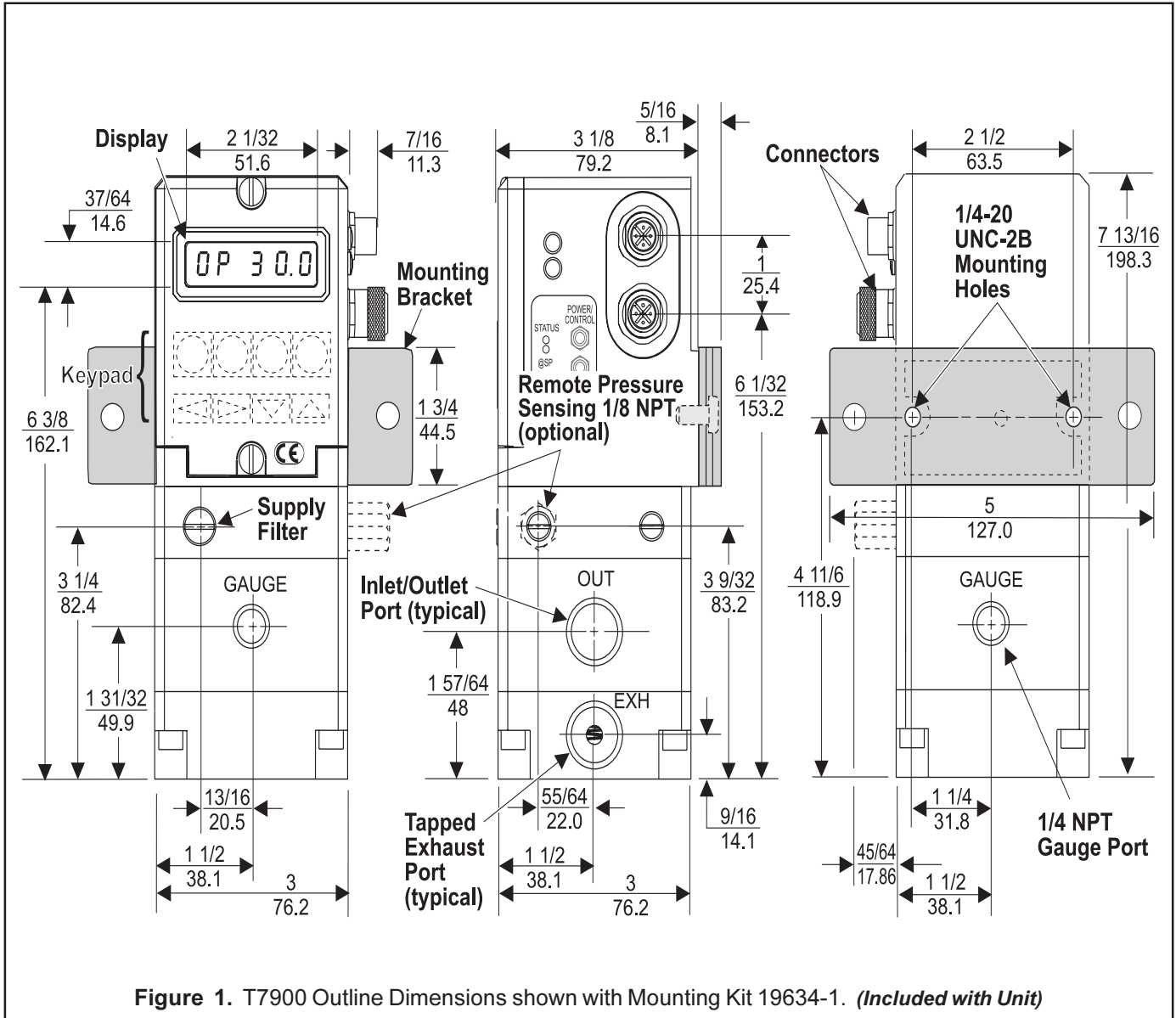


FAIRCHILD T7900 HIGH FLOW ELECTRO-PNEUMATIC TRANSDUCER

Installation Instructions



INSTALLATION

The Model T7900 is supplied with a Mounting Kit 19634-1 for Panel or Wall Mounting. For more information, see Figure 1. above.

If the Remote Pressure Sensing Option has been provided, connect an air line from the Remote Pressure Sensing Port to the sensing location. Support the 1/8 NPT remote pressure sensing adapter with a wrench when installing the air line fitting. For more information, see Figure 1. above.

LEGAL NOTICE:

The information set forth in the foregoing Installation, Operation and Maintenance Instructions shall not be modified or amended in any respect without prior written consent of Fairchild Industrial Products Company. In addition, the information set forth herein shall be furnished with each product sold incorporating Fairchild's unit as a component thereof.

Pneumatic Connections

Clean all pipelines to remove dirt and scale before installation.

Apply a minimum amount of pipe compound to the male threads of the air line only. **Do Not use teflon tape as a sealant.** Start with the third thread back and work away from the end of the pipeline to avoid the possibility of getting pipe compound into the air lines.

The inlet and outlet ports are labeled on the side of the transducer. Tighten connections securely. Avoid under-sized fittings that will limit the flow through the transducer. For more information, see Figure 1. "T7900 Outline Dimensions" on page 1.

NOTES: Oil free air is required. Use a filter to remove dirt and liquid in the air line ahead of the transducer. If an air line lubricator is used, it MUST be located downstream to avoid interference with transducer performance.

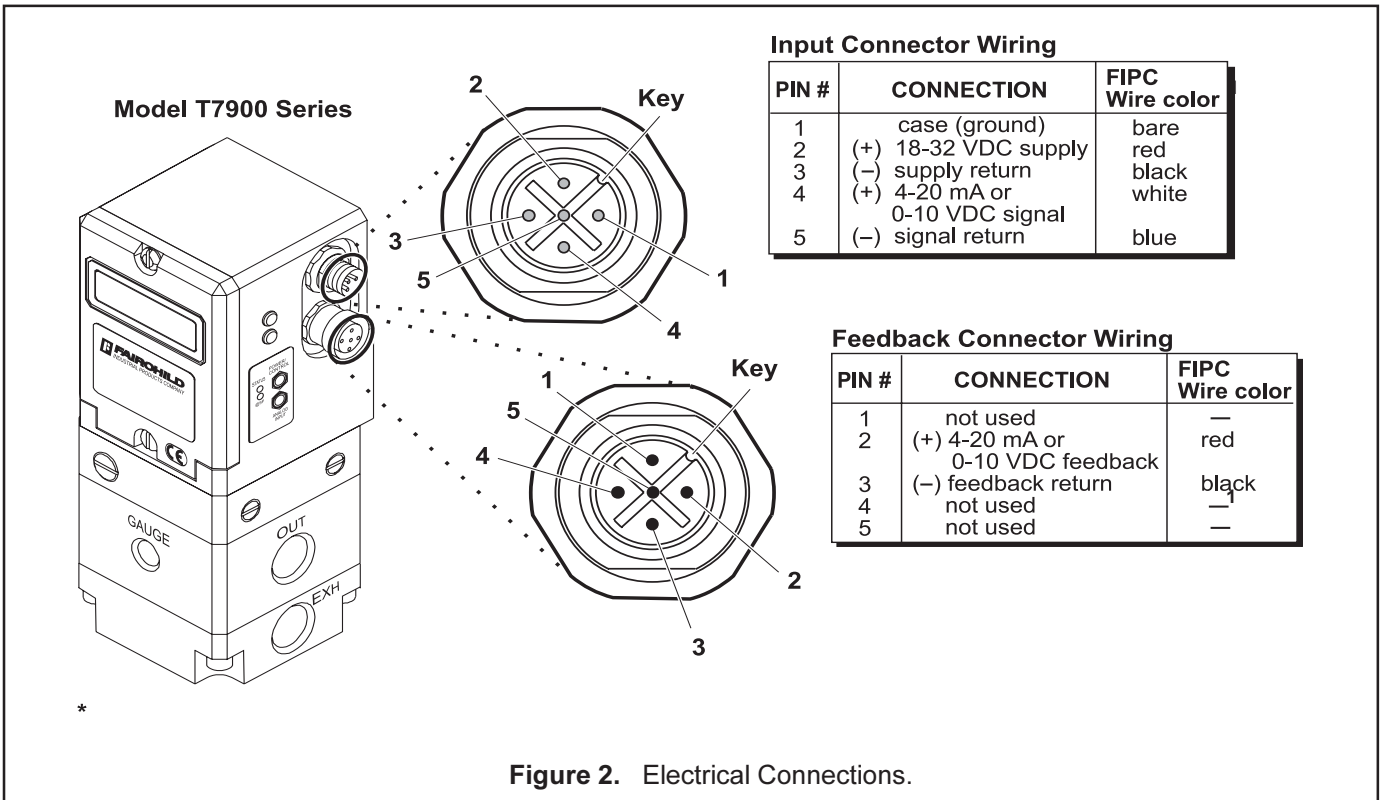
Supply pressure must be no less than 5 psig, [0.35 BAR], (35 kPa), above maximum output.

Electric Connection

For the T7900 Transducer, make connections as shown below in Figure 2. "Electrical Connections". For compatible cord sets and connectors refer to Table 1. below.

For signal lines of six feet or less, 22 gage wire may be used. For longer signal lines, use 18 gage wire. Shielded cable Must Be Used for the signal lines for noise immunity.

Part number	Description
055-IPI-089M	Male connector (Feedback)
055-IPI-089-F	Female connector (Input)
032-IPI-009-3M	Male cable w/one connector (3 meter)
032-IPI-099-3F	Female cable w/one connector (3 meter)



¹ Colors apply only to FIPC DeviceNet compatible cables.



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