

TRANSDUCER TUBING CONVERSION KIT

E-Z FLOW BASE SYSTEM (77357-0xxx & -2xxxx) (See Figure 1)

1. Disconnect existing tubing from transducer fittings. Using a screwdriver, remove the transducer from the DIN rail. Also remove 5/32 OD tubing from transducer output fitting (through the 5/32 ODT tee, if unit with gauge) to the 5/32 ODT bulkhead in the rear panel.
2. Replace the 5/32 ODT transducer output fitting with a 1/4 ODT SSP-6427 fitting from the kit. It will be necessary to remove and reinstall the transducer exhaust fitting to replace the transducer output fitting.
3. Remove the 5/32 ODT bulkhead fitting from the rear panel and replace with the grommet from the kit. Note: Earlier models used a bulkhead adapter instead of a 5/32 ODT bulkhead. For these models install the two SSP-6079 1/4 ODT x 1/4 NPTM fittings from the kit in both sides of the bulkhead adapter (remove existing fittings first).
4. If unit with gauge, replace the 5/32 ODT tee fitting with a 1/4 ODT tee fitting from the kit, using the 1/4 ODT to 5/32 ODT reducer in the leg of the 1/4 ODT tee (see Figure 1). Plug the gauge tube into the reducer.
5. Snap the transducer back onto the DIN rail and reconnect tubing as shown in Figure 1. Cut a piece of 1/4 OD tube from that supplied in the kit and plumb from the transducer output fitting to the 1/4 ODT tee or directly to the bulkhead adapter for units without gauge.
6. For units with gauge, cut another piece of 1/4 OD tube and plumb from the 1/4 ODT tee through the grommet on the rear panel as shown in Figure 1. On the outside of the rear panel, install the 1/4 ODT union on the tube passing through the grommet.
7. Replace the 5/32 ODT elbow on the top of the MVR at the fluid panel with the other 1/4 ODT elbow fitting supplied in the kit.
8. Using the 1/4 OD tubing from the kit, connect the output of the 1/4 ODT union (or bulkhead adapter) to the MVR. For proper operation this length must be at least 15 ft. (4.6 m). For optimum performance the tube should be as short as possible once the 15 ft. (4.6 m) minimum is obtained, preferably 25 ft. (7.6m) maximum. Never use more than 50 ft. (15.2 m).

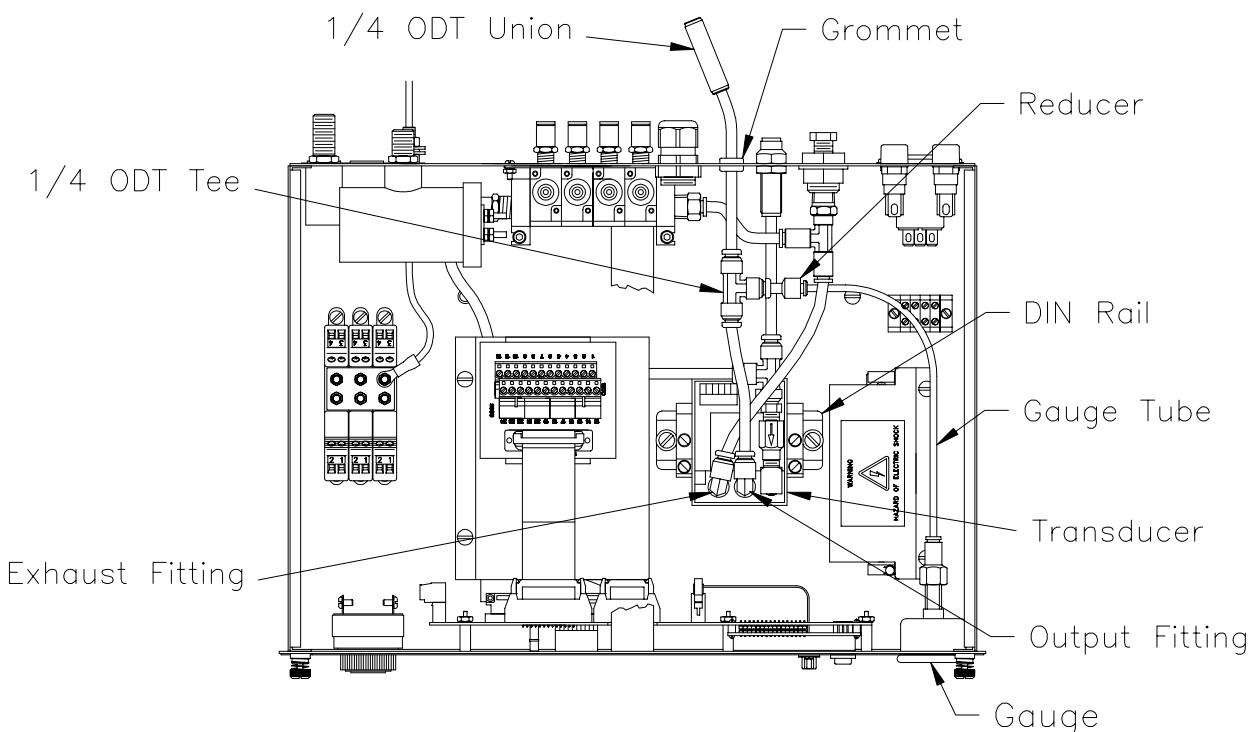


Figure 1: Base System Controller

E-Z FLOW REMOTE INTERFACE SYSTEM (77357-1xxx & -3xxx) (See Figure 2)

1. Disconnect existing tubing from transducer fittings. Using a screwdriver, remove the transducer from the DIN rail. Also remove the 5/32 OD tubing to the 5/32 ODT bulkhead.
2. Replace the 5/32 ODT transducer output fitting with a 1/4 ODT SSP-6427 fitting from the kit. It will be necessary to remove and reinstall the transducer exhaust fitting to replace the transducer output fitting.
3. Remove the 5/32 ODT bulkhead fitting from the side panel and replace with the grommet from the kit. Note: Earlier models used a bulkhead adapter instead of a 5/32 ODT bulkhead. For these models install the two SSP-6079 1/4 ODT x 1/4 NPTM fittings from the kit in both sides of the bulkhead adapter (remove existing fittings first).
4. Snap the transducer back onto the DIN rail. Reconnect 501 supply air as shown in Figure 2.
5. Cut a short piece of 1/4 OD tube from that supplied in the kit and plumb from the transducer output fitting through the grommet, as shown in Figure 2. Install the 1/4 ODT union on the other end of the tube passing through the grommet. For units with bulkhead adapters, connect the 1/4 OD tube directly from the transducer output fitting to the bulkhead adapter.
6. Replace the 5/32 ODT elbow on the top of the MVR at the fluid panel with the other 1/4 ODT elbow fitting supplied in the kit. Remove the 1/4 OD stub x 5/32 ODT "Y" fitting from CA1 of the Remote Operator Box and replace with a short piece of 1/4 OD tube and a 1/4 ODT tee from the kit.
7. Using the 1/4 OD tubing from the kit, connect the output of the 1/4 ODT union (or bulkhead) at the Interface Panel to the 1/4 ODT tee at the Remote Operator Box. Connect the other end of the 1/4 ODT tee to the 1/4 ODT elbow at the MVR. For proper operation, the total tube length from the Interface Box to the MVR must be at least 15 ft. (4.6 m). For optimum performance this tube length should be as short as possible once the 15 ft. (4.6 m) minimum is obtained, preferably 25 ft. (7.6m) maximum. Never exceed 50 ft. (15.2 m).
8. For branching off the MVR line to additional gauges, use the other 1/4 ODT tee fitting with the 1/4 ODT x 5/32 ODT reducer in one of its branches. Then connect the 5/32 ODT gauge tubing to the branch with the reducer. It is not necessary to use 1/4 OD tube for gauge branches.

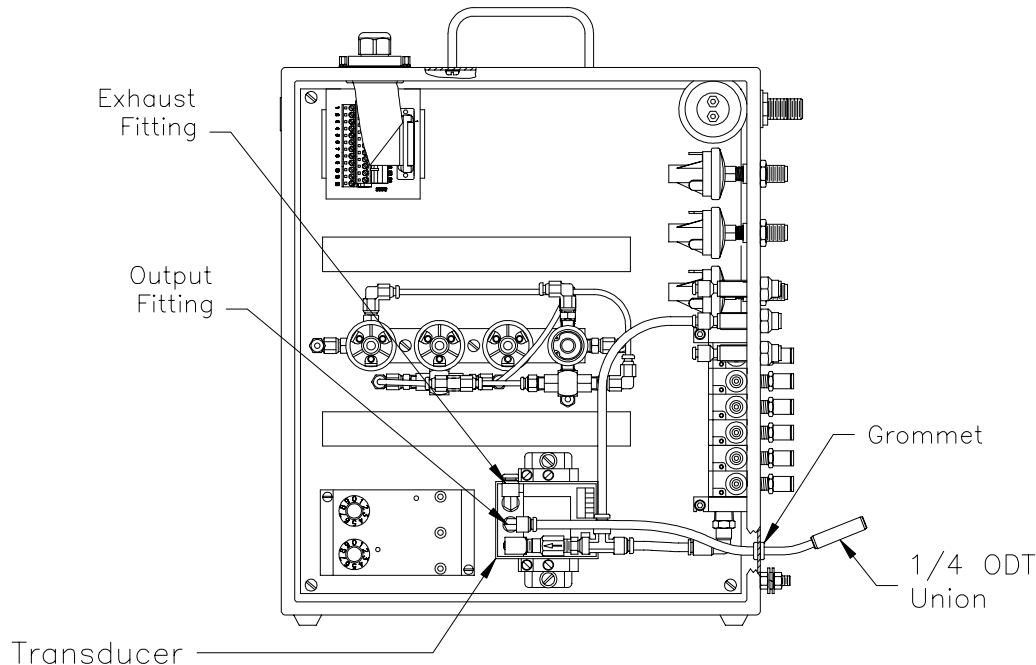


Figure 2: Remote Interface System Interface Box

Ransburg

ITW Ransburg Electrostatic Systems
An Illinois Tool Works Company
320 Phillips Avenue, Toledo, Ohio 43612-1493
Telephone: 419/ 470-2000
Fax: 419/ 470-2270
Website: www.itwransburg.com
E-mail: marketing@itwransburg.com



Form SI-03-04 Litho U.S.A. 10/03-1C
© 2003 Illinois Tool Works Inc. All rights reserved.
Models and specifications subject to change without notice.