

# Warrick® 3W1/3W2 Wire Suspended Electrodes 3Z1A Suspension Wire Installation and Operation Bulletin

### 3Z1B Adapter Kit

The 3Z1B adapter kit must be used when the fitting has a 1/4"-20 threaded coupling.

Assemble as shown in the diagram.

1. Slide heatshrink tubing over wire.
2. Strip insulation from wire (.25 in) and insert into terminal lug. Crimp terminal lug on wire to form electrical connection.
3. Thread adapter into 1/4"-20 coupling until hand tight plus 1-2 turns.
4. Screw terminal lug to electrode bar using terminal screw provided.
5. Slide shring tubing over assembly. Use hairdryer or heat gun to shrink tubing.

### 3W1/3W2 Wire Suspended Electrodes

The wire suspended electrode consists of seven parts. These are illustrated in the diagram. The lower O-ring and electrode bar are the only pre-assembled parts. Assembly is performed in the field prior to installation of the electrode in the well or tank.

Assemble as shown in the diagram.

1. Slip the bushing, upper O-ring and shield over the end of the suspension wire before the terminal lug is crimped onto the stripped end of the wire. Otherwise it will be necessary to pull the entire length of wire through those parts after the terminal lug has been fastened to the electrode bar.
2. Strip insulation from wire (.25 in) and insert into terminal lug. Crimp terminal lug on wire to form electrical connection.
3. Screw terminal lug to electrode bar using terminal screw provided.
4. Press the electrode bar, now attached to the suspension wire, into the shield. This is an interference fit and will require some pressure. Please note that the electrode bar will be flush with the end of the shield when fully seated.
5. Seat upper O-ring into shield and screw bushing into shield to seat.

