

The Qualitrol Level Gage consists of two magnetically coupled modules, a drive and a case assembly. To mount the gage you must first remove the four screws securing the case assembly to the drive, then separate them.

The drive assembly is mounted to the tank by use of four studs or bolts. To determine the correct bolt pattern for your gage refer to your model drawing. Install your gasket on to the flange or mounting pad. Place float and support tube through the mounting hole in the transformer tank making sure the top mark is facing up. (Please note: depending on the opening size in your tank it may not be possible to install the gage with the float rod installed.) Tighten up the four nuts or bolts securing the drive assembly to tank wall.

There are several methods of float rod attachment depending on your model. Most of the gages use the depicted four-screw method. To install these use the four screws and washers provided with the unit. Place the washer over the screw and install through the float rod bracket and into the mounting bracket. Secure the screw by using an appropriate thread locker or by soldering them in place. The other float rods are held in place with a setscrew, or are nonremovable.

Next, install the case assembly using the four screws provided. Remove the cover over the terminal block. You can install your cable or wire through the PG-16 cable gland, or remove the gland and use a ½ NPT conduit with a locknut. Attach the wires to the terminal block per the schematic on the model drawing. Be careful not to over tighten the screws. Then reinstall the wire access cover.

To test the unit, move the float rod through its travel making sure the switches operate at the specified angle ( $\pm \angle 4^\circ$ ).

