IMAC PULSER TYPE III

Installation and Operations Instructions

For Use on Itron Metris 250, I-250 and 400A Diaphragm Gas Meters

PURPOSE:

To add a pulse signal to a gas meter with a ratio of 1 Pulse per 1 Cubic Foot

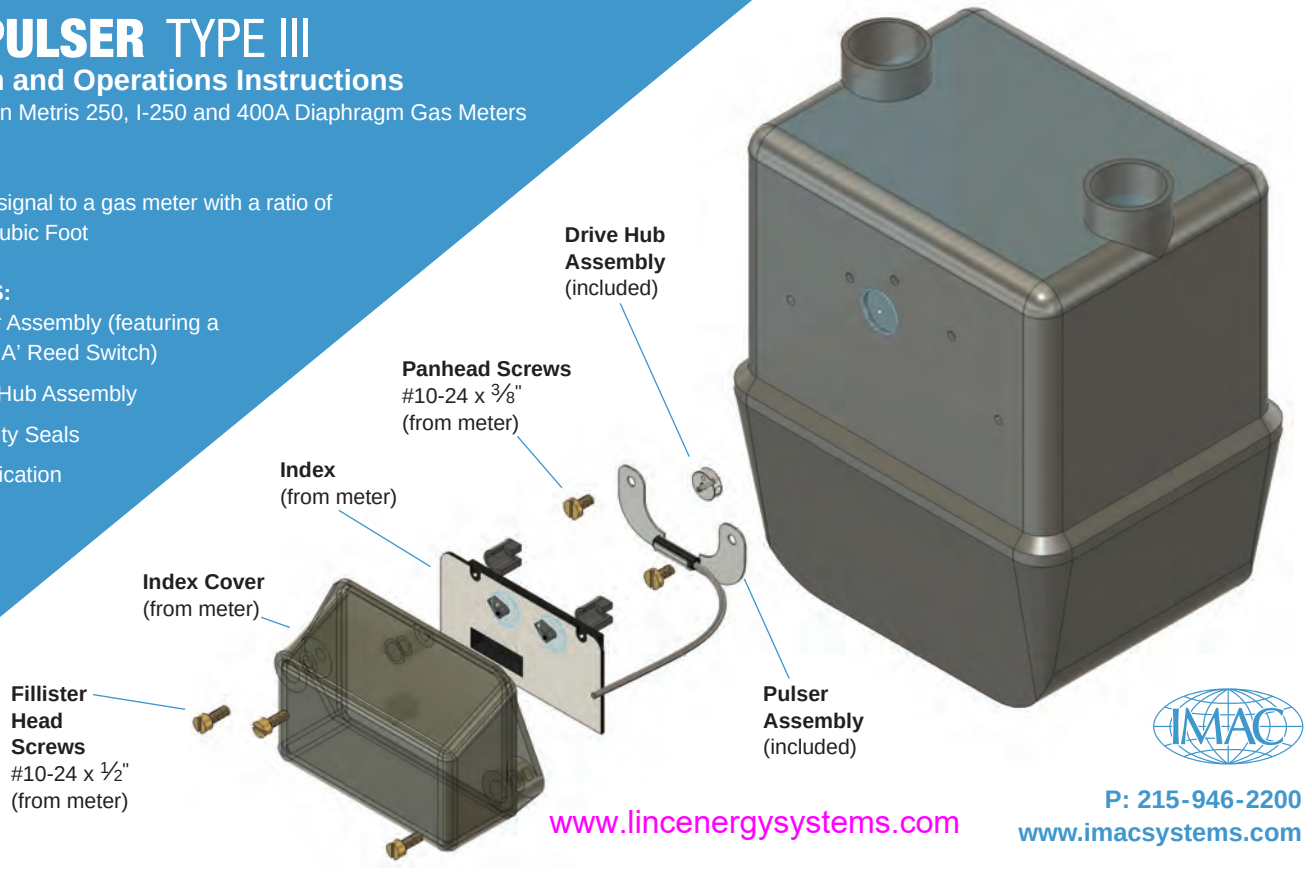
KIT INCLUDES:

(QTY: 1) Pulser Assembly (featuring a Form 'A' Reed Switch)

(QTY: 1) Drive Hub Assembly

(QTY: 2) Security Seals

(QTY: 1) Identification Label



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Installing the **IMAC PULSER** TYPE III:

1. Detach the meter's **index cover** by unscrewing (3) fillister head screws. Once detached, set the index cover and the screws aside. The index cover and the screws will be used in later steps.
    a) If red security caps are present, tap them with a screwdriver to break through the security cap, and then remove the security caps with needle nose pliers.

2. Detach the meter's **index** by unscrewing (2) panhead screws. Once detached, set the index and the screws aside. The index and the screws will be used in later steps.

3. Remove the brass meter drive by unscrewing in a counterclockwise rotation.
    a) Sometimes the meter drive requires a moderate tap to the projected end of the toggle to knock it loose and to begin the counterclockwise unscrewing.

    b) The brass meter drive will not be re-used in later steps, it is replaced with the supplied **drive hub assembly** in step 4.

4. With pin facing outward, install the supplied drive hub assembly onto the meter shaft. The drive hub assembly is threaded on by screwing it onto the meter shaft clockwise.

5. Using the **panhead screws** from the index removal,attach the **pulser assembly**. Leave the panhead screws loose for the following step.

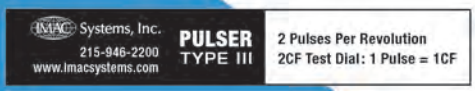
6. Remount the meter's index utilizing the index's slots onto the panhead screws from step 5.

7. Align the mechanical index and drive hub assembly and tighten the panhead screws.

8. Remount the meter's index cover with **fillister head screws**, make sure the index seal or gasket has not been damaged.
    a) Guide the pulser wires around the meter's index to clear any gears. Continue guiding wires through the bottom notch or hole in the meter's index cover. Avoid twisting or straining the wires.

9. Insert new red security seals in index cover holes by pushing them in firmly.

10. To test the meter's pulse output, use a multimeter's ohm setting (preferably a multimeter that makes a sound or lights up when there is continuity). Attach the leads of multimeter to each wire from pulse output. Slowly blow air through the inlet side of the gas meter. As the gas meter's 2CF test dial rotates, multimeter will alert you of continuity. Every full revolution of the test dial will create 2 pulses.



11. Affix IMAC PULSER Type III label to meter for visual identification.