

IMAC PULSER TYPE I and IA

Installation and Operations Instructions

For use on American Meter Front Mounted Index Diaphragm Gas Meters including: AC-250, AM-250, AC-250NX, AT-210/250, AL-425, AC-630 and AC-800.

If meter model is not listed, check with IMAC for suitability. Pulsers will function on TC or STD meters, and with pressure compensating indexes (output will not be compensated for pressure). Contact IMAC for adaptor to use Pulsers behind an ERT or other AMI/AMR device. Contact IMAC for suitability of use on Roots Meters.

PURPOSE:

To add a pulse signal to a mechanical gas meter

KIT INCLUDES:

- (QTY: 1) Pulsers Assembly
(featuring a Form 'A' Reed Switch)
- (QTY: 1) Pulsers Gasket
- (QTY: 4) Mounting Hardware
- (QTY: 2) Tamper Indicator Plugs

MODELS:

Type I (two pulses per revolution):

For 2 CF Index Drive, 1 Pulse = 1 Cubic Ft

For 1 CF Index Drive, 2 Pulses = 1 Cubic Ft

Type IA (one pulse per revolution):

For 1 CF Index Drive, 1 Pulse = 1 Cubic Ft

For 2 CF Index Drive, 1 Pulse = 2 Cubic Ft



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Installing the **IMAC PULSER TYPE I and IA**

- 1** Remove register cover and register from the meter.
 - 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** Mount the meter's register to the pulser with the original register screws.
- 3** Install the pulser and the register cover to the meter with the (4) supplied screws.
 - a) The supplied gasket is installed between the pulser and the meter. If present, use original register cover gasket again under the register cover. Make sure engagement and alignment are correct.
- 4** To test the meter's pulse output, use a multimeter's ohm setting. Attach the leads of multimeter to each wire from the pulse output. Slowly blow air thru the inlet side of the gas meter. As the gas meter's test dial rotates, the multimeter will alert you of continuity. Depending on model, every revolution of the test dial will create either 1 or 2 pulses.
- 5** If the test is successful, install the (2) provided security seals.