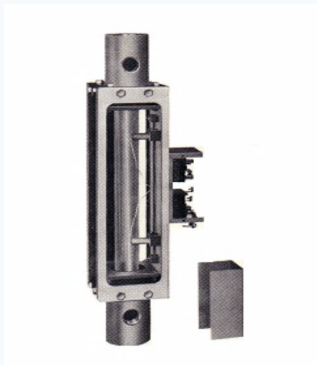


VARIABLE AREA FLOWMETERS – ACCESSORIES

Description

The IE Model 7930 MAG/NA/LARM II is a magnetically actuated alarm switch designed for use on the IE 1100 Series Full-View* Flowmeter. The alarm can be used on any Full-View, sizes 8 through 13 with ribbed tube and scale lengths of 127 mm, 250 mm and 600 mm. The MAG/NA/LARM II consists of a dry reed switch, a SPDT relay, and a special metering float containing a magnet. The reed switch is mounted on an adjustable bracket located on the inner side of the flowmeters' side plate, and adjacent to the metering tube. The magnet imbedded in the float activates the reed switch as the float passes by the reed switch. The reed switch triggers the SPDT relay which is mounted inside a small metal enclosure on the outer side of the flowmeters' side plate. The relay, in turn, operates the user's alarm device. The MAG/NA/LARM II can be supplied mounted on the meter if specified at time of initial order, or can be field installed on an existing Full-View by the user. The 7930 Alarm is available with either one or two reed switches and relays allowing low and/or high flow alarm set points.



IE MAG/NA/LARM – MODEL 7930

Design Features

- Vibration-proof, hermetically-sealed, dry reed switch immune to shock and vibration
- Long-life reed switch tested for half-million operating cycles under normal load conditions
- Easily field installed on existing flowmeters

Power Requirements

220 Vac 50 Hz standard, 110-125 Vac optional

Magnetic Reed Switch

One millisecond make and break; rhodium plated contacts. Maximum reed switch contact ratings: 115 volt 50/60 Hz, 40W non-inductive; 125 Vdc, 0.1 amps (and suppression, recommended); or 220 Vac, 20W, Low voltage ac or dc, 25W intermittent.

Relay

Standard SPDT in a dust-tight enclosure. Contacts rated at 3 amps inductive, 6 amps resistive load, 220 Vac 50 Hz.

Ambient Temperature Limit

250°F (122°C) maximum

Sensitivity

Reed switch is capable of detecting one millimeter of float movement. Full-View Flowmeter with Model 7930 MAG/NA/LARM II, Front View Full-View flowmeter, with Model 7930 MAG/NA/LARM II, Rear View with Relay Cover removed.

