

OPTICAL SENSOR ALARM – Electronic Alarm

VARIABLE AREA FLOWMETERS – ACCESSORIES

Description

The IE Optical Sensor Alarm is an electronic alarm system used to warn of abnormal flow conditions. It is specifically designed to be mounted on IE Sho-Rate “50” and “150” single and multi-tube flowmeters. Because it utilizes an optical sensor, there is no restriction on the float material. Either 1 or 2 alarm set-points can be positioned over the entire range of the flowmeter.



OPTICAL SENSOR ALARM – ELECTRONIC ALARM

Design Features

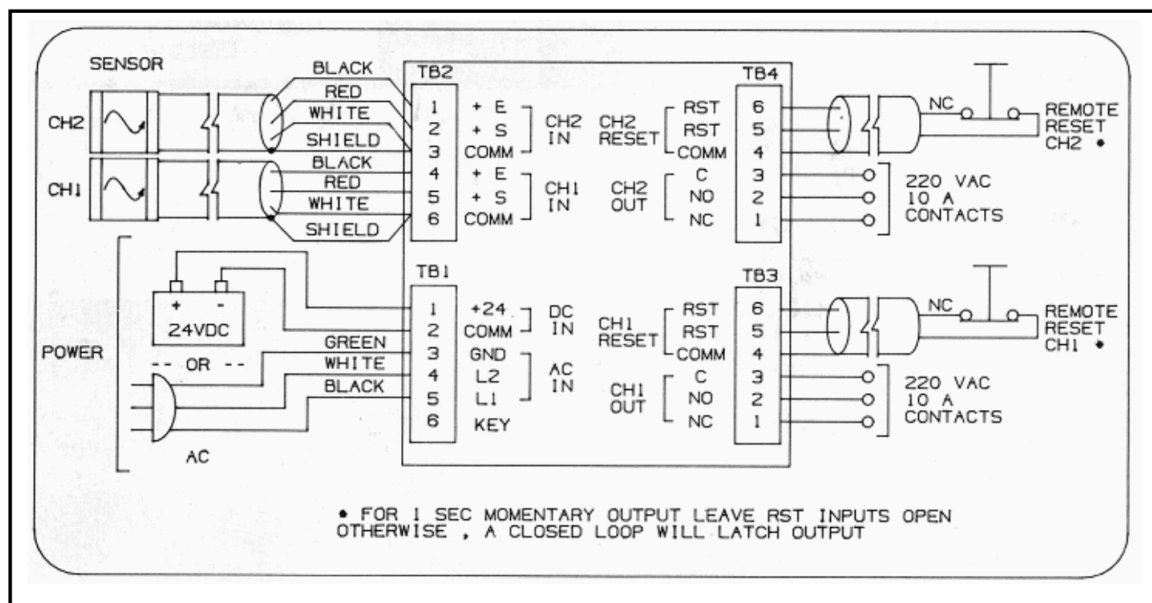
- Economical alternative to traditional offerings with- out any sacrifice in performance
- Optical alarm sensor – no restriction on float material
- Field adjustable sensor sensitivity for a wide variety of process conditions
- SPDT alarm relay
- NEMA 4 electronics housing
- Standard electronics compatible with one or two alarm sensors
- Easy field modification of existing Sho-Rates
- Momentary or latch alarm output urations
- AC or DC input power compatible
- For use with single or multi-tube Sho-Rate. Model 7940 Optical Sensor Alarm With Model 1355 Sho-Rate “150”



Cable entries

Enclosure

REPRESENTATIVE CONFIGURATIONS



SPECIFICATIONS

Detection Method

One infrared LED Photo Sensor. Second sensor optionally available.

Temperature Limits

Sensor – 32 to 200° F
Housing – 40 to 120° F

Operating Voltage

115/230 Vac, 25W Max; 24 Vdc, 20W Max.

Output Contact Rating

One dry contact, form C relay per sensor. Relay rating 10 Amp at 120 Vac SPDT. 2 contacts available.

Output Duration

Jumper selectable momentary (1 second) or latch

Sensor Connection

Terminal Block. See Figure 2

Integral Alarm Indication

Red/Green LED integral to electronics housing-one per contact. Not visible with electronics housing cover in place.

Materials of Construction

Sensor Housing – Molded plastic
Electronics Housing – Molded plastic, NEMA r
Sensor Interconnection Cable – 6 ft of shielded cable.

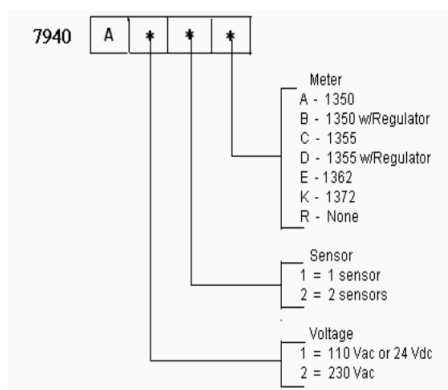
Dimensions

See Figure 1

Sho-rate Options Not Available with Alarm

Direct read metal scale
Front of panel mounting

Model Number Code



ORDERING INFORMATION

To order, please specify

1. Model number
2. Sho-rate model to be used with
3. Number of sensors per tube (two maximum)
4. Operating voltage

Specifications subject to change without notice.