

99050 Gauge Head Limit Switch Assembly

The Shand & Jurs 99050 Gauge Head Limit Switch Assembly contains 2, 4 or 6 cam operated switch elements in an explosion proof enclosure for Class I, Division 1, Group D hazardous locations. One full rotation of the input shaft corresponds to full float travel for the maximum tank height on the nameplate.

Specifications:

Input:

Shaft rotation*

*Reduction gears adapt unit to tank height

Switch Elements:

2, 4 or 6 SPDT

Switch Rating:

3 amp @ 460 VAC

15 amp @ 250 VAC

.5 amp @ 125 VDC

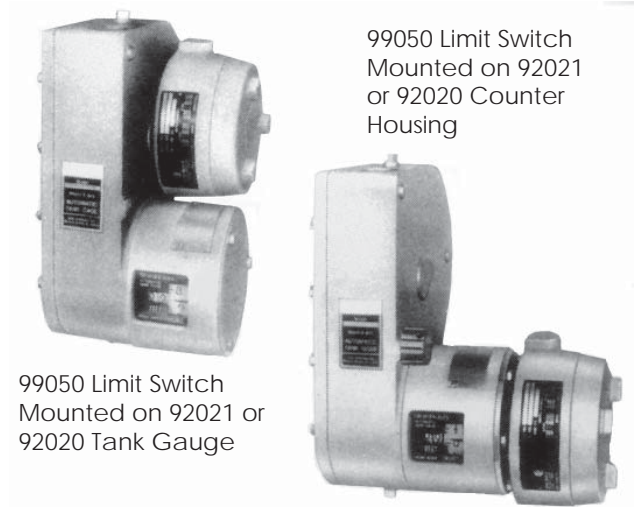
.25 amp @ 230 VDC

Conduit Connection:

Threaded for 3/4" NPT

Seals:

A low friction seal on the input shaft blocks gases in the gauge head from entering switch, and the input shaft immediately behind the seal is vented to atmosphere.



Features

- Explosion-proof housing to Class I, Div. 1, Group D
- 2, 4 or 6 SPDT switches
- Mounts on models 92021 or 92030 gauges
- Adapter available for field mounting

99050 Ordering Guide

Model Number Selection

The model number will consist of a base number **99050** followed by 4 digit numbers. These digits will represent 2 option tables.

99050 - AB - CD

Ordering Information

Specify:

1. Model 99050 Gauge Head Limit Switch Assembly
2. Number of Cam Switches
3. Tank Height
4. Accessories

Table AB - Number of Switches (S.P.D.T.)

Option AB	Description
01	Two (2) Limit Switches
02	Four (4) Limit Switches
03*	Six (6) Limit Switches

* 91 feet or 27.7 meters maximum tank height

Table CD - Reading Configuration & Tank Height

Option CD	Reading	Tank Height		Gear Ratio
		Feet	Meters	
01	Ground Reading	13	3.9	10-1
02	Ground Reading	19	5.7	15-1
03	Ground Reading	26	7.9	20-1
04	Ground Reading	32	9.7	25-1
05	Ground Reading	39	11.8	30-1
06	Ground Reading	52	15.8	40-1
07	Ground Reading	65	19.8	50-1
08	Ground Reading	78	23.7	60-1
09	Ground Reading	91	27.7	70-1
10*	Ground Reading	104	31.6	80-1
11	Roof Reading	13	3.9	10-1
12	Roof Reading	19	5.7	15-1
13	Roof Reading	26	7.9	20-1
14	Roof Reading	32	9.7	25-1
15	Roof Reading	39	11.8	30-1
16	Roof Reading	52	15.8	40-1
17	Roof Reading	65	19.8	50-1
18	Roof Reading	78	23.7	60-1
19	Roof Reading	91	27.7	70-1
20*	Roof Reading	104	31.6	80-1

* Maximum four (4) limit switches

Accessories

Part Number	Description
9905-10300	To Counter Housing on 92020, 92021 or 92030 Gauge Note 1.
9905-10290	To Counter Housing on 92006 or 94154 Gauge

Mount Kit Required for 92006, 92020, 94154 and 92021 for in field mounting

NOTES:

1) Order accessories separately to mount limit switch to appropriate gauge. When ordering with a 92030 gauge, specify on the sales order if factory mounting is desired.

2) The accessory kit is not required when ordering a 92021 gauge which was ordered with the limit switch assembly. Specify on the sales order if factory mounting is desired.