

1540 Side Mounted **Pneumatic Level Switch**

General Instructions

The side mounted SOR® 1540 Pneumatic Level
Switch provides a pneumatic output signal for either
a high or low level condition.
The float moves a magnet
into the field of a
magnetically actuated
sensor. The unit may
be mounted for either
high or low liquid level alarm.

NOTE: If you suspect that a product is defective, contact the factory or the SOR Representative in your area for a return authorization number (RMA). This product should only be installed by trained and competent personnel.

Before Installing the Level Switch

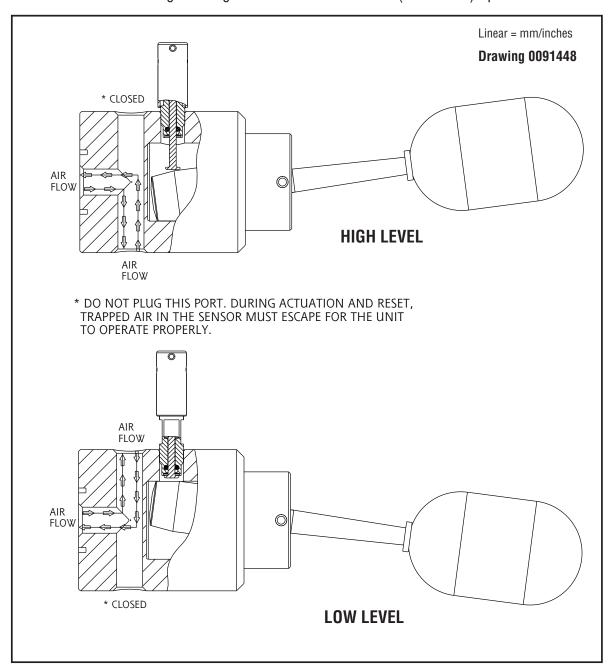
- Inspect the unit for any shipment damage.
- Check for mechanical clearance. The float must move freely throughout its stroke inside the vessel.
- Use an acceptable thread compound to ensure a leak-free fit and avoid thread galling when installing the unit into the vessel.
- Clean, dry air or gas must be used as the supply media to avoid plugging critical internal restrictions.
- MC or MD (manual check) option can be removed to allow supply fitting to be installed. Reseal threads with acceptable thread compound and insert to dimension shown.

SUPPLY PRESSURE RANGE: JO SWITCH - 0-30 psi (0-2 BAR)

J1 SWITCH - 0-80 psi (0-5.5 BAR)

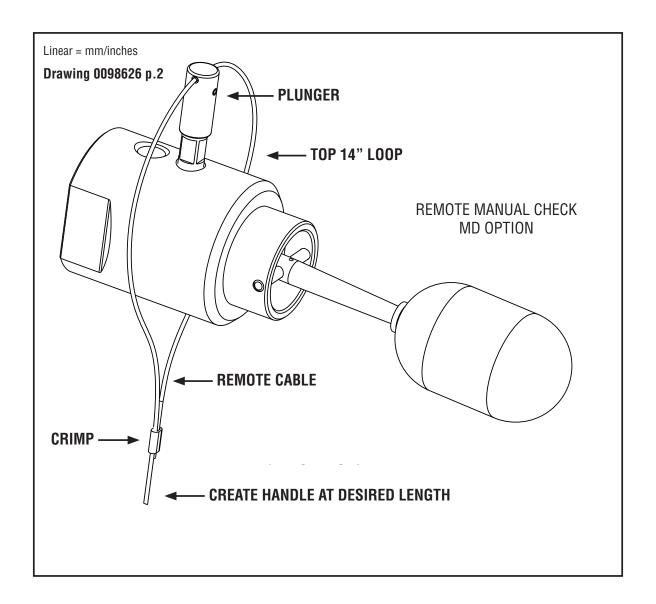
Design and specifications are subject to change without notice. For latest revision, go to **www.sorinc.com**

The following drawings show the manual check (MC or MD) option.

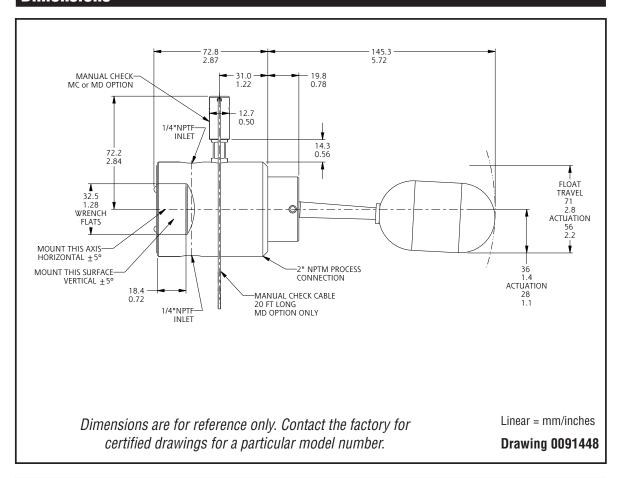


Installation

- The unit may be mounted using the standard 2" NPT process connection.
- MD Remote Option (includes plunger, 20 foot cable and two crimps.)
 - Screw plunger to the top of unit.
 - Thread the 20' cable through the hole in plunger and create a 14 inch top loop as shown below.
 - At the bottom of the cable, a second loop can be created as a handle for actuation at the desired length.



Dimensions



Replacement Parts

Designator	Description
3130040	20' Remote Cable with two cable crimps*
3100152	Float
9227012	Float & Arm Assembly
9227024	Manual Check Accessory (uses Viton GLT O-ring) (MC)*
9227025	Manual Check Accessory with remote 20' cable (MD)*

^{*} Unit must have originally been supplied with MC or MD option.



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14685 West 105th Street, Lenexa, KS 66215 ■ 913-888-2630 ■ 800-676-6794 USA ■ Fax 913-888-0767