

# SINGLE-SWITCH FITTING ASSEMBLIES

## LVM-50 Series



- ✓ Ideal Single-Switch Installation Fitting for High or Low Level Switch Applications
- ✓ Installation is Fast, Simple and Cost Effective
- ✓ Custom User Specified Lengths From 15.20 cm to 2.4 m (6" to 8')
- ✓ Compatible with OMEGA® Level Switches, Relay Controllers and Junction Boxes
- ✓ Constructed of PP, PVC or PVDF Materials for Corrosive Liquids
- ✓ Entire Level Switch Assembly Installs Through 2 NPT Fittings
- ✓ Compact Junction Box Rated NEMA 4X (IP65) for Power and Signal Termination
- ✓ Side Mount Bracket (Sold Separately) Provides Easy Installation in Open Tanks or Sumps

### Side Mount Bracket

**Bracket Material:** Polypropylene

**Mounting Threads:** 2 NPT

**Installation:** Bolt or plastic weld

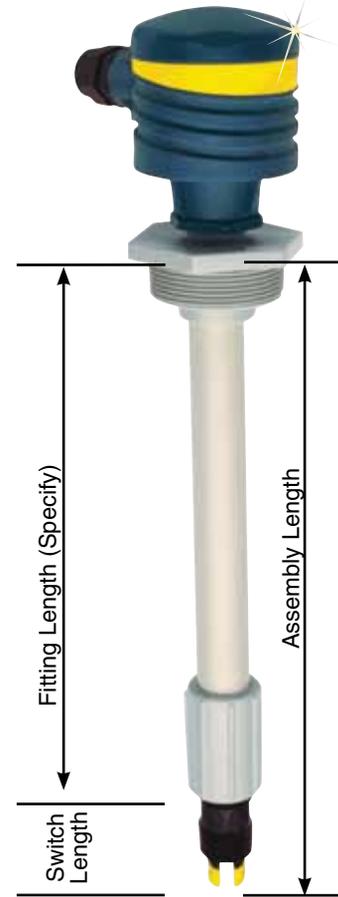
*Note:* For open tanks or sumps, select the side mount bracket for quick installation to the side wall. The LVM-30 mounting bracket is fully compatible with the LVM-50 installation fittings and is designed for bolt or heat weld attachments to the vessel.



LVM-30 shown smaller than actual size.

### Fitting Length

The length is measured from the base of wrench flat to the end of the level switch adapter. To specify the fitting length, determine the assembly length including the level switch that will be installed on the LVM-50 Series fitting. The assembly length minus the nominal switch length equals the length of the fitting. Specify the length with the part number at the time of your order.



Assembly shown with LVCN-12 junction box and LVU-150-R ultrasonic switch.

### NOMINAL SWITCH LENGTHS

Model No.	Technology	Adder
LTU-101	Tuning Fork	3.5"
LVU-150	Ultrasonic	2.0"
LVC-101	RF Capacitance	2.0"
LVF-210	Optic	2.0"
LVV-110	Vertical Buoyancy	4.3"
LVC-152	Capacitance	4.0

## SPECIFICATIONS

**Junction Box**

**Enclosure Rating:** NEMA 4X (IP65)

**Enclosure Material:** Polypropylene

**Enclosure Rotation:** 300° swivel base

**Termination:** 6 pole socket terminal strip

**Temperature Range:** -40 to 70°C (-40 to 158°F)

**Conduit Connection:** ½ NPT

**LVM-50 Series Fitting**

**Fitting Lengths:** 15.2 cm to 2.4 m (6" to 8')

**Fitting Tolerance:** ⅛" (typical)

**Fitting Material:** PP, PVC or PVDF

**Mounting Thread:** 2 NPT

**Mixing Velocity:** Up to 1.5 fps

**Temperature Range:** -40 to 90°C (-40 to 194°F)

**Pressure Range:** 150 psi @ 25°C, derated @ 1.667 psi per °C above 25°C

## CUSTOM MODELS BUILT TO ORDER!

To Order	
Model No.	Description
LVM-50-XX	Switch fitting, PVC
LVM-51-XX	Switch fitting, PP
LVM-52-XX	Switch fitting, PVDF
LVCN-12	Compact junction box (1 to 3 switches)
LVM-30	Side mount bracket, PP

The length must be specified with the part number (ex: **LVM-51-3.5"**) at the time of your order. Prices shown do not include insertion tube length. For **PVC**, and **PP**, additional cost per foot for each additional foot up to 8'. For **PVDF**, additional cost per foot for each additional foot up to 8'. The length may be specified from 6" to 8' maximum. For integral power and signal termination, order one compact junction box for installation on the top of switch assembly. To install an **LVM-50** in an open tank or sump, order one side mount bracket **LVM-30**. The switch fitting components (2 NPT plug fitting with ¼ NPT switch adapter) may also be purchased unassembled by specifying a zero length with the part number (ex: **LVM-50-00.00"**). Attachment of a user provided ¼" pipe section requires a solvent (PVC) or thermal (PP, PVDF) weld assembly with the switch pack fitting components.

**Ordering Examples:** **LVM-50-00.00"**, zero length switch fitting, **LVM-30** side mount bracket. **LVM-51-3.5**, PP switch fitting with 3.5 insertion length.