

RADIO FREQUENCY LEVEL SWITCH

LV750 Series



- ✓ Versatile, for Liquids or Solids
- ✓ Maintenance-Free Convenience
- ✓ Rugged Potted Electronics Construction Defies Vibration
- ✓ NEMA 4 Housing
- ✓ No Moving Parts
- ✓ Adjustable Time Delay
- ✓ High or Low Failsafe
- ✓ Low Cost
- ✓ Tip Sensitive

The rugged construction and low cost of the LV750 Series level switch makes it a practical choice in a wide variety of applications for both liquids and solids, which may be electrically conductive or non-conductive. As a radio frequency switch, it can tolerate reasonable amounts of sticky build-up and still function flawlessly. For conductive liquids and materials with a high dielectric constant (greater than 30) that additionally have a tendency to “bridge” between the probe and container wall, a PTFE coated probe should be used. For chemical compatibility considerations, also request the 3/4" nipple.

SPECIFICATIONS

Power: 95 to 130 Vac, (standard) or 190 to 260 Vac (optional) 50 to 60 Hz, 2 W, or 9 to 35 Vdc @ 100 mA (optional)
Relay: DPDT (2 form “C”) dry contacts rated for 5 A Resistive @ 120 Vac or 28 Vdc

Operating Temperature/Pressure Electronics: -40 to 85°C (-40 to 185°F)
Probes: 305 mm (12”) minimum length (standard) to 3.0 m (120”) (special)
Uncoated, Acetal Bushing: -40 to 85°C (-40 to 185°F), 103 bar (1500 psig) @ 25°C (77°F), 0 psig @ 85°C (185°F)
Uncoated Bushing: -40 to 232°C (-40 to 450°F), 103 bar (1500 psig) @ 25°C (77°F), 0 psig @ 232°C (450°F)
PTFE-Coated (with 316 SS nipple): -40 to 232°C (-40 to 450°F), 103 bar (1500 psig) @ 25°C (77°F), 0 psig @ 232°C (450°F)



LV751 shown smaller than actual size.

PTFE-Coated (with 3/4" nipple): -40 to 85°C (-40 to 185°F), 6.9 bar (100 psig) @ 25°C (77°F), 0 psig @ 232°C (450°F)
Minimum Dielectric: 10 for standard probe
Wetted Parts: 316 SS rod, 316 SS nipple, Acetal (or PTFE)

Enclosure: Cast aluminum, PVC optional
Time Delay: 0, 5, 10, 15 second, selectable
Size: 419 x 155 x 46 mm (16.5 x 6.1 x 1.8")
Weight: 0.91 kg (2 lb)

To Order

Model No.	Description
LV751	General purpose, 9.5 mm (3/8") diameter 316 SS rod, Acetal bushing, 1/2 NPT 316 SS nipple
LV752	General purpose, 9.5 mm (3/8") diameter 316 SS rod, PTFE bushing, 1/2 NPT 316 SS nipple
LV753A	PTFE-coated probe, 3/4 NPT 316 SS nipple, 19 mm
LV754	PTFE-coated probe, 3/4 NPT nipple, 19 mm

Comes complete with operator's manual.

To order with PVC housing, add suffix “-P” to model number, no additional cost.

To order with 9 to 35 Vdc power, add suffix “-DC” to model number, no additional cost.

To order with probe length greater than 12", add suffix “-(length in inches)” to model number, for additional cost.

Ordering Examples: LV754-240V-CC, 3/4" PTFE probe, 240 Vac power with clear acrylic cover. LV751, general purpose probe.