

RADIO FREQUENCY LEVEL SWITCH

LV750 Series
Starts at
\$351



- ✓ 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 nonconductive. 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, (std) or 190 to 260 Vac (opt) 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") min 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)



LV751-CC, \$366, shown with optional clear, impact resistant Lexan® acrylic cover. Standard cover is steel.

Shown smaller than actual size.

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)
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: 8.0 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 sec, selectable

Size: 419 x 155 x 46 mm (16.5 x 6.1 x 1.8")

Weight: 0.91 kg (2 lb)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
LV751	\$351	General purpose, 9.5 mm (3/8") diameter 316 SS rod, Acetal bushing, 1/2 NPT 316 SS nipple
LV752	378	General purpose, 9.5 mm (3/8") diameter 316 SS rod, PTFE bushing, 1/2 NPT 316 SS nipple
LV753A	480	PTFE-coated probe, 3/4 NPT 316 SS nipple, 19 mm
LV754	480	PTFE-coated probe, 3/4 NPT nipple, 19 mm
EE-2632	42	Reference Handbook: Practical Radio Frequency Handbook 

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 clear acrylic cover, add suffix "-CC" to model number, and \$15 to price.

To order with probe length greater than 12", add suffix "-(length in inches)" to model number, and \$16/ft for LV751, and \$31/ft for LV53A/754.

Ordering Examples: LV754-240V-CC, 3/4" PTFE probe, 240 Vac power with clear acrylic cover, \$480 + 15 = \$495.

LV751, general purpose probe, \$351.

omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters