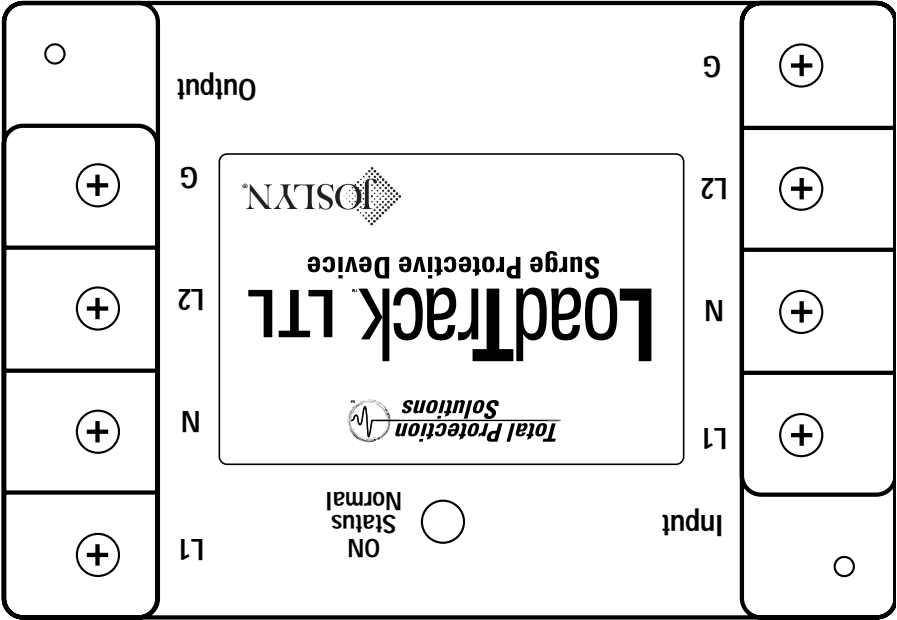
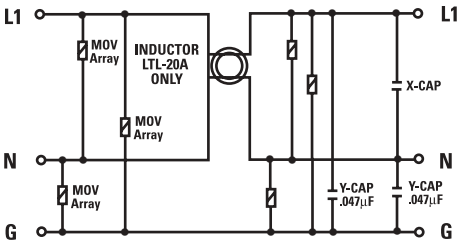


Installation Manual

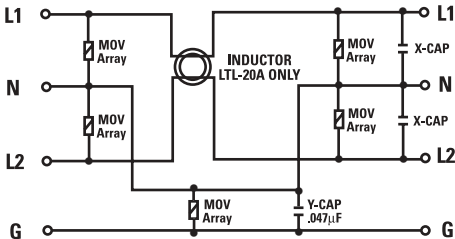


SINGLE PHASE



Use only the L1 Terminal lug for the phase wires (input & output) when connecting LoadTrack LTL in a single phase configuration.

SPLIT PHASE



Match the corresponding L1 & L2 terminal lugs for the input and output phase wires when connecting a split phase configuration.

Install the LoadTrack™ LTL surge protective device (SPD) in series between the AC electrical power source and the load to be protected.

Before Installation

THE FOLLOWING IS INTENDED FOR QUALIFIED ELECTRICAL PERSONNEL ONLY. COMPLETELY READ THESE INSTRUCTIONS BEFORE INSTALLATION. IT IS THE FINAL RESPONSIBILITY OF THE INSTALLING ELECTRICIAN TO ENSURE THAT ALL LOCAL CODES AND OTHER APPLICABLE SAFETY/ENVIRONMENTAL CONDITIONS ARE MET AND THE UNIT IS CORRECTLY INSTALLED.

Voltage and Current Verification

Prior to installation, verify that the voltage and current ratings of the intended LoadTrack™ LTL product do not exceed those of the electrical system or circuit in which the product is being installed. **WARNING: SERIOUS INJURY OR DAMAGE MAY RESULT FROM INSTALLING A PRODUCT WITH AN IMPROPER VOLTAGE RATING.**

Mounting

1. Remove all power feeding the site of the LoadTrack™ LTL connection.
2. The unit is designed for installation within or adjacent to electrical or electrically-driven equipment. Adjacent installation requires a sealed enclosure. Care should be taken to ensure exposed terminals do not come in contact with personnel.

3. Within the equipment to be protected, mount the SPD securely to the enclosure or other mounting surface using the holes provided in the two opposite corners.

Electrical Connections

1. The LoadTrack™ LTL must be protected via a circuit breaker or fuse with a maximum ampacity of 50 amps.
2. Determine the location of the AC source supplying power to the load.
3. The LoadTrack™ LTL is to be installed in series between the AC power source using the input lugs of the device.
4. Using the appropriate phase, neutral and ground conductors, connect the incoming power source to the input lugs of the SPD using the supplied terminal lug connectors.
5. Connect the output terminals of the unit to the corresponding load input using the supplied terminal lug connectors.
6. Make all electrical connections using the appropriate conductor size:

<i>Model Number</i>	<i>Load Current</i>	<i>Minimum Wire Size</i>
TK-LTLxxx-20A	20 Amps	#12 AWG THHN
TK-LTLxxx-40A	40 Amps	# 8 AWG THHN

xxx denotes system voltage

Operation

Apply power to the device once proper installation has been completed. An illuminated LED indicates proper operation of the device. See following page for LoadTrack™ LTL line diagrams.