

## Specifications

- Triggers at 0.145 g (RMS) in vertical axis or horizontal plane
- Operates on elevator 24 VDC power (12-30 VDC)
- Operating Current: 80 mA
- Relay Contact Rating: 1.0 A at 30 VDC, 0.5 A at 125 VAC
- Bandwidth: < 1 hz to 25 hz

- Installs in minutes
- Built in test button
- Built in indicator LED's
- Optional backup battery included
- No periodic calibration required
- CAN Bus capable
- Fail-Safe



# Load Tech Devices

## SS04F INSTALLATION INSTRUCTIONS



## INSTALLATION INSTRUCTIONS

The SS04 should be mounted flat on the machine room floor using the four 3/16" anchors provided. DO NOT drill holes with the SS04 in place. Mark holes then remove the SS04 before drilling.

All electrical connections are made at the terminal strips on the board.

- P V (12-30VDC)
- G Ground (VC)
- NO NO Contact
- C Relay Common
- NC NC Contact

Note 1: The switch requires a 12-30 Volt DC supply. If the controller does not have a 12-30 VDC supply, a separate power supply must be used. (1/4 Amp at 24 Volts or 6 Watts)  
If a single SS04 is used in a multi-car group, group power should be used to supply the SS04. This will allow individual controllers to be turned off without triggering seismic operation in the other controllers.

Note 2: The SS04 Seismic Sensor is Fail-Safe. The NO and NC contacts are the position of the contacts when the switch is powered up and not tripped. Loss of power or a trip signal will result in the NO contact closing and the NC contact opening.

Note 3: The SS04 can be set to Non-Volatile mode in cases where the elevator controller is not capable of storing its seismic state. With power off, push and hold the TEST button while applying power to the SS04. Continue to press the TEST button for five seconds. The TRIP LED will light. The SS04 will now be in Non-Volatile mode. To change back to Volatile mode, use the same procedure, but push the TEST button for three seconds then release it and immediately press the RESET button for two seconds. The SS04 will now be back in the default Volatile mode.

Note 4: For optional battery backup, connect a 9 Volt NON Rechargeable Lithium battery to the battery connector provided.  
DigiKey Part # N538-ND.

9 Volt NON Rechargeable Alkaline batteries may be used as a substitute although they are not preferred due to reduced battery life.

If using optional battery backup the green "BATT" LED should be lit.

If optional backup battery is connected and the green "BATT" LED is not lit, the battery needs replacing.

Check battery quarterly.

**CAUTION DO NOT USE Rechargeable batteries!**

**DO NOT exceed 9 Volts DC at the Battery connector!**

### TESTING

The green "PWR" LED and the green "WD" LED should be lit. The red "TRIP" LED should not be lit.

If using optional battery backup the green "BATT" LED should be lit.

Momentarily activate and release the "TEST" button, the relay should drop and the red "TRIP" LED should be lit. Momentarily activate the RESET button, the relay should pick and the red "TRIP" LED should not be lit.