

# WARN OVERLOAD INTERRUPT

## GUARD AGAINST OVERLOAD WITH DIGITAL TECHNOLOGY

The WARN® OLI (Overload Interrupt) is an electronic device that digitally limits the capacity of a WARN winch or hoist to ensure operation within specified capabilities. This increases reliability by guarding against overloading the motor, geartrain, and wire rope. Each OLI is custom programmed at the factory to customer specifications to meet your specific needs, and can be reprogrammed by trained factory representatives.

The OLI is engineered to accurately sense both motor current between 50 and 400 amps, and voltage between 8 and 32 volts. The OLI will cut power to the winch/hoist motor in less than 100 milliseconds once the specified amperage/voltage is reached. When the OLI is tripped, power to the winch or hoist will remain off until you reset it.



This device is easily installed on any DC-powered WARN winch or hoist and features an easy-to-read LED status display. The OLI is sealed to protect against the elements and chemicals found in a variety of construction, transportation, and marine applications, and can withstand a wide variety of shock, vibration, and handling situations. Additionally, this device meets a variety of SAE standards.

### OLI SPECIFICATIONS

Sensing Current (Setpoint) Range: 50-400 Amps  
Supply Voltage: 8.5-32 VDC  
Quiescent Current: 10 mA Max.  
Operating Current: 100 mA Max.  
Relay Contact Rating: 15 Amps Max.  
Overload Interrupt Precision: +/- 10%  
Low Voltage Interrupt Precision: +/- 5%  
Response Time: < 100 mS  
Operating Temperature: -20 to +110 deg C  
Storage Temperature: -40 to +125 deg C



### STANDARDS COMPLIANCE

- SAE J1455- Recommended Practice for Electronic Equipment in Heavy Duty Vehicle Applications
- SAE J113- Electromagnetic Compatibility Measurement Procedure for Vehicle Components, Immunity to Electromagnetic Fields
- SAE J1812-Function Performance Status Classification for EMC Immunity Testing