

# Havis ChargeGuard Auto Shut-off Timer

## Vehicle Power Management System



**MIL-STD-810F  
COMPLIANT**

### Protect your investment in vehicles, equipment, and people.

Havis® ChargeGuard® Auto Shut-off Timer, the newest version of the original automatic shutdown device, is much more than an on/off timer for mobile electronics. It's an easy-to-use intelligent vehicle power management system that prevents dead batteries, protects mobile electronics from voltage anomalies, and gives you peace of mind.

With ChargeGuard® Auto Shut-off Timer, equipment is always available, and you never have to remember to turn it on or off.



Two-way Radios



Video Cameras



Computers



GPS

### ChargeGuard® Auto Shut-off Timer Protects:

#### Vehicles

- Prevents battery drain and extends battery life
- Indicates under/over voltage conditions

#### Equipment

- Complete voltage protection – high and low supply voltage disconnect
- Protect expensive electronics from voltage surges

#### People

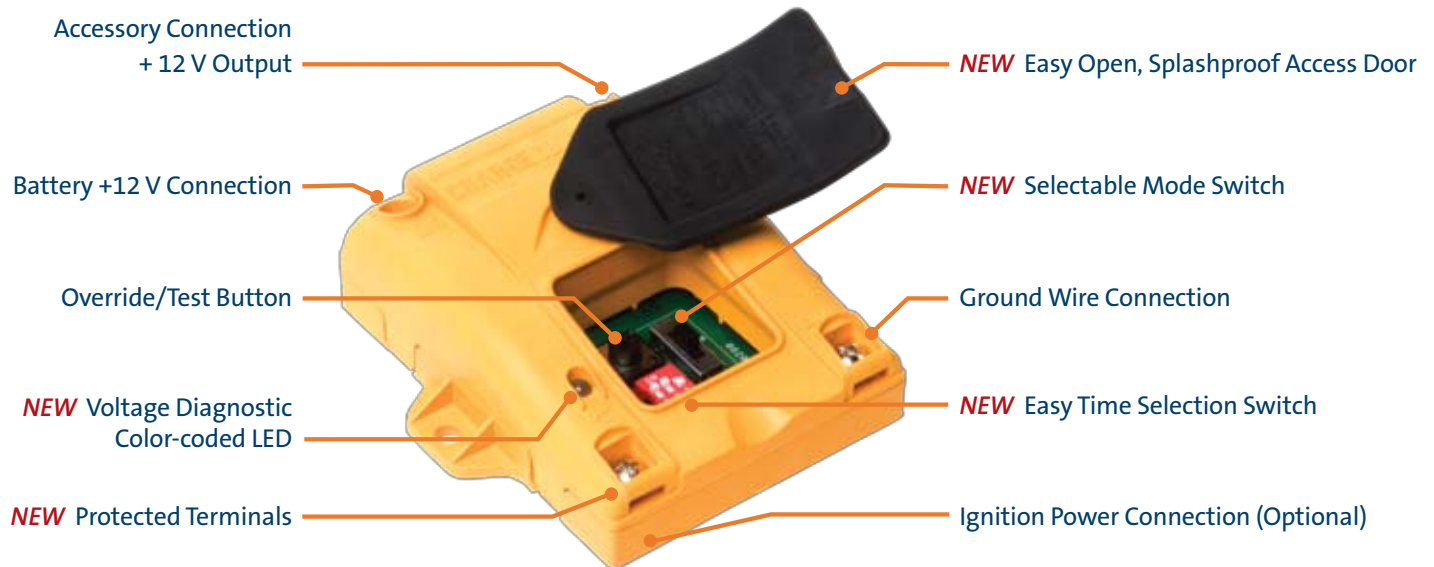
- Never be stranded by a dead battery again
- Emergency override provides 15 minutes of electronics power

#### Protect critical aftermarket electronics

- Two-way radios
- Computers
- Video cameras
- GPS
- Radar
- Modems
- Routers
- Scanners
- Card readers
- Printers
- Audio equipment

# Havis ChargeGuard Auto Shut-off Timer

## Vehicle Power Management System



### How ChargeGuard® Auto Shut-off Timer Works:

- Automatically turns mobile equipment on when you start the engine
- When you turn the engine off, the equipment stays on from 5 seconds to infinity depending on the selected time delay setting
- Turns equipment off before pre-set time if voltage drops too low
- Diagnostic LED helps troubleshoot voltage problems

### Features

- Easy-to-install, no power needed for setup
- Easy-to-set timeout delay switches
- Choice of sensing modes: Automatic Detection, Battery Sensing (DC Rise), or Ignition
- Override/test button provides 15 minutes of electronics power
- Voltage diagnostic LED indicates status with color/blink codes
- High (18 V) and low (11 V) voltage disconnect
- Reverse polarity protection
- MIL-STD-810F Compliant

### What ChargeGuard® Auto Shut-off Timer Delivers:

#### Higher Productivity

- Equipment is on when you want it on – leave unattended with no worry
- Reduces down time caused by service calls

#### Lower Maintenance Cost

- Prevents battery wear and tear
- Saves battery replacement costs
- Reduces service calls and aids in troubleshooting
- Reduces fuel cost by not needing engine on to run equipment

### Specifications (Part # CG-X)

- Operating voltage (normal): 13.8 V DC
- Low voltage disconnect: 11 V DC
- High voltage disconnect: 18 V DC
- Stand-by current: 5mA
- Operating current: 80 mA
- Load current rating: 30 A
- Minimum on delay: 5 sec
- Selectable timeout delay: 5 sec - 8 hr & Infinity
- Factory default time setting: 2 hr
- Length: 3.8" (9.6 cm)
- Width: 3.7" (9.4 cm)
- Weight: 4.5 oz (0.28 lbs)