

# Electronic Product

## Parts List



### **ALT100 Access Light Timer**

**Part No: HV-ALT100**

The LightUp Access Light Timer is an electronic product that provides simple and effective control of access lighting on large construction and mining equipment. The control module simplifies the installation by combining time control and power output into one unit therefore eliminating the need for external relays and wiring (up to 10Amps Maximum Output). *24Volt*



### **ELA20X Dual Fluid Level Monitor**

**Part No: HV-ELA20X**

The LevelCheck Electronic Oil Level Monitoring System is a Microprocessor based product that provides extremely reliable monitoring of pre-start oil or diesel fuel levels. The system can be used to monitor low and high levels for Coolant, Hydraulic Oil & Engine Oil. *24Volt*



### **FLT200 FlexiTimer**

**Part No: HV-FLT200**

FlexiTime is a compact robust electronic module that incorporates two adjustable timers with two independent internal relay outputs. These relay outputs can be configured for delay turn on, or delay turn off. The FLEXITIME FLT200 is primarily designed for mobile plant that operates on *24Volt*.



### **HIT100 Idle Timer (Hitachi Excavator)**

**Part No: HV-HIT100**

The HIT100 Engine Idle Timer is designed specifically for the Hitachi Dash 6 series Excavator. It provides simple and effective control of engine shutdown to protect the turbo chargers & related engine components from instant shutdown at high temperatures. The HIT100 will maintain power to ignition circuits for 15 seconds after engine shut down to ensure ECU data save is completed. The HIT100 is supplied with a dash sticker label, O/ride button & Deutsch DT connectors. *24Volt*

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### IST100 Battery Isolator Timer

**Part No: HV-IST100**

The IST100 Automatic Battery Isolation Timer is a product that provides simple and effective control of battery isolation on large construction and mining equipment when used in conjunction with a Lucas type SSB100 Battery Isolator. LED's indicate power timing and fault status. If in the event the isolator switch does not operate after the pre-set time, a fault indicator will turn on to let the user know there is a problem and the isolator has not shut off. *24Volt*



### IST200 Battery Isolator Timer

**Part No: HV-IST200**

The IST200 Automatic Battery Isolation Timer is a product that provides simple and effective control of battery isolation on large construction and mining equipment when used in conjunction with a Lucas type SSB100 Battery Isolator. The IST200 offers an additional input allowing emergency stop button operation with a 1 second or 30 second delay. A fault LED is provided to indicate a faulty isolator switch that did not turn off correctly. *24Volt*



### LCS100 LadaMate Ladder Control System

**Part No: HV-LCS100**

The LadaMate Ladder Control System is a compact robust electronic module designed to provide safe and reliable control of the access ladder system on large mobile equipment. LadaMate is compatible with many access ladder systems and provides the operator with audible and visual operation feedback via LED indicators and an alarm. The LCS100 LadaMate is designed for machines that operate on *24Volt*.



### LTX210 Lube Control *isolated lube control output*

**Part No: HV-LTX210**

The LTX210 LubeControl Automatic Lubrication System is a microcontroller based product that provides extremely accurate and flexible control of grease cycle times with real time monitoring of grease pressure. There is built in protection to guard against lube solenoid overload and no load (open circuit) which allows for fault monitoring independent of any problem that may occur with the lube solenoid circuit. *24Volt*

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### LTX300 Lube Control

**Part No: HV-LTX300**

The LTX300 LubeControl automatic lubrication system is a microcontroller based product that provides extremely accurate and flexible control of grease cycle times with real time monitoring of grease pressure. The LTX300 has electronic current monitoring to guard against overload and no load (open circuit) situations. Lube setup and operation is made easy via the provided dip switches and LED indication. A manual Lube button on the front of the module is also provided. *24Volt*



### MIT124 ProTime Engine Idle Timer

**Part No: HV-MIT124**

The MIT124 ProTime Engine Idle Timer is a heavy duty compact unit that provides precise timed engine shutdown for protection of the Turbo charger and engine components. This upgraded model provides additional features such as LED indication and multiple idle time settings from 1min to 5min. A push button with integrated LED is provided for indication of timing and override operation. *24Volt*



### MT204 ProTime Engine Idle Timer

**Part No: HV-MT204**

The PROTIME MT204 idle timer is a heavy duty compact unit that provides timed engine shutdown for protection of the turbo charger and engine components. Installation of the MT204 is quick and simple as the timer connects across the key switch and to ground. An Override button with integrated LED can be easily mounted anywhere in the dash panel for ease of operation. *24Volt*



### OIP100X Over Idle Protection System

**Part No: HV-OIP100X**

The OIP100X IdleCheck is a microcontroller based product that provides standard engine idle timer operation with the added benefit of an Over-Idle protection system that will shut the machine down during extended idling periods. An input is provided for the park brake to allow the system to warn the operator via an alarm and indicator should they attempt to move the machine during the idle down period. *24Volt*

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**RTM100 Power Board (6Ch Relay Timer) Part No: HV- RTM100**

The Power Board RTM100 is a versatile relay timer module incorporating 6 x 10Amp relay outputs, 6 delay on/off timers and LED indication for inputs, outputs and power. If required, a relay can be individually connected to one of the 6 inbuilt timers to provide a delayed on/off output. Timers are configured individually via the on board dip switches to allow times ranging from 1 second up to 200 minutes. *24Volt*



**SSM100 SpeedCheck Part No: HV-SSM100**

SpeedCheck is a compact robust electronic module that incorporates two programmable outputs which are triggered via a user programmable frequency (speed) input. These outputs can be set to Normally On or Normally Off state. A 2X input frequency (speed) multiplier is available in setup to trigger outputs at double the input frequency (speed). The front of the module incorporates a set/reset button and LED indication for both programming and operation functions. *24Volt*



**VSS10 Enviro-Spray Water Cart Control System Part No: HV-VSS10**

Enviro-spray™ was specifically developed to be a plug and play system that optimises the use of limited water supplies while still maintaining the dust control barrier required by regulations. The Enviro-Spray system allows for automatic stop start operation along with variable water rates for the water cannon/s and sprays. Water rate is automatically adjusted relative to truck speed. An LED display shows accurate tank level and spray head operation. *24Volt*



**PCM100 Hydraulic Pump Monitor Part No: HV-PCM100**

The PumpCheck PCM100 is an electronic module primarily designed to provide operator warning of imminent hydraulic pump and motor failure on Blast Hole Drill Rigs or any other equipment operating with hydraulics. Up to 9 fail safe chip sensors can be connected and monitored by PumpCheck. An audible and visual warning is triggered if a sensor detects a short circuit, open circuit or high levels of metal contamination in the hydraulic oil circuit being monitored. *24Volt*

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**WIT200 CAT Idle Timer (*series connection*)**

**Part No: HV-WIT200**

The WIT200 Idle Timer is designed specifically for Westrac Caterpillar Equipment. It provides simple and effective control of engine shutdown to protect the turbochargers and related engine components from instant shutdown at high temperatures. An added feature of the WIT200 is its auxiliary input which can be used to detect park brake applied or released. *24Volt*



**WTL100 TankCheck Water Level Monitor**

**Part No: HV-WTL100**

The TankCheck Water Level Monitor is a microcontroller based system to keep the operator informed of the level of water available for haul road spraying and fire fighting functions. The secondary function of TankCheck is to provide 2 outputs for an external user interface. These outputs have overcurrent/short circuit monitoring and can be configured to operate in multiple ways to drive any external warning device or system. The WTL100 includes Automatic LED illumination control to adjust the brightness of the LED's helping minimise eye strain during low light operation. *24Volt*

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