UNIVERSAL BATTERY CONTROL CENTRE

Universal Battery Control Center

Part Number:

00-01088-000 - Control
00-01090-000 - Switch Panel

Description:
The Universal Battery Control Center (UBCC) is a microprocessor controlled programmable battery control center with 34 fused outputs, the UBCC is the ideal battery management system for OEM`s & upfitters.

Low Battery Voltage Monitoring
The Universal BCC monitors both the chassis and auxiliary (coach) batteries continuously. If either drops below a threshold (12.6V for chassis or 12.0V for coach), a 2 minute timer begins. When the 2 minutes elapses, if the battery voltage continues to decline below the threshold, it will disconnect that battery from its loads to preserve battery life and maintain starting capability. An external alarm may be activated through an on-board relay. The Universal BCC will also indicate a problem by flashing the red status indicator LED.

If the problem battery begins charging (a threshold of 13.3V for chassis or auxiliary/coach), the Universal BCC will automatically reconnect the disconnected loads. If an ignition signal is present, the chassis battery will not disconnect as a safety interlock feature.

The disconnect and reconnect thresholds and timers are completely configurable through a Windows “Graphical User Interface” software package. The device itself also offers basic programmability of thresholds with no PC needed through a simple 4 button interface.

Battery Voltage Display
By pressing either the “Chassis” or “Coach” button, the actual voltage of that battery is displayed on the 3 digit LED display in real time. The LED display will also flash the current status of the associated disconnect solenoid. “DIS” means that solenoid is currently disconnected and all loads are removed from that battery. “CON” means that solenoid is currently connected.

Auxiliary Start Feature
An external auxiliary start switch may be connected to the Universal BCC through the aux start input. If the aux start input is switched high (+12V) the battery isolation relay will power ON, effectively connecting both chassis and auxiliary (coach) batteries together, providing extra starting power similar to a “jump start.” If the chassis battery falls below 9.0 volts with the ignition signal input ON (typical for engine cranking), the isolation relay will automatically connect both batteries together. The voltage threshold is also user configurable.

Automatic Split Charging
When either the chassis or auxiliary (coach) battery is above a 13.3V charging threshold, the isolation relay will power ON, connecting both batteries together for charging. If the ignition signal is present, and the auxiliary battery is above the charging threshold, the isolation relay will NOT connect the two batteries together. This is to prevent the auxiliary battery charger from fighting the vehicle’s alternator.

Key Features:
- Low Battery Voltage Monitoring
- Battery voltage display, chassis & auxillary
- Auxillary start feature
- Programmable automatic split charging
- Programmable low voltage disconnect on chassis & auxillary batteries
- 34 fused outputs with diagnostic LED’s
- Programmable alarm outputs
- Read voltage on chassis & auxillary from switch panel
- Disconnect & reconnect of chassis & auxiliary batteries from switch panel
- Free of charge OEM GUI tool
- Can be supplied pre programmed if required