



ZAP MODEL 8830 BATTERY BACK UP UNIT

NOTE: CHARGE BATTERIES BEFORE USE

When the wiring is complete it is essential that the batteries are left on charge overnight, before use. Do not run the operator on battery power until the battery voltage reaches at least 12.6 volts.

Background

The 8830 Battery Back Up Unit is designed for use with the 800 and 8800 series D.C. Motor Controllers. The system will keep the batteries in a healthy, charged state and automatically engage them in the event of mains power failure.

Mounting

The enclosure should be mounted in close proximity to the door controller. Fixing screws must be routed thorough the corner pillars of the enclosure; the case must not be drilled as this can allow moisture ingress!

Wiring

The 6-Way connector of the 8830 unit should be wired to the 6-Way connector of the 800/8800 unit as per the diagram overleaf. It is important that cable of the correct current rating be used, i.e. For 800 series units, 'MOTOR V+' and 'COMMON' must be at least 1.5mm sq cable; for 8800 series units, 'MOTOR V+' and 'COMMON' must be at least 2.0mm sq cable. The other four cables must be at least 0.5mm sq.

Each battery should be plugged into the 8830 controller's 2-Way connectors. These must be plugged in such that the RED wire from the battery locates with the 'BATTERY +' terminal of the socket.

CHARGE BEFORE USE

When the wiring is complete it is essential that the batteries are left on charge overnight, before use. Do not run the operator on battery power until the battery voltage reaches at least 12.6 volts.

Operation

During normal conditions, the green 'ON CHARGE' LED will be illuminated, and will dim as the batteries reach full charge. When the door is run, the red 'OVER-LOAD' LED may illuminate, this is normal.

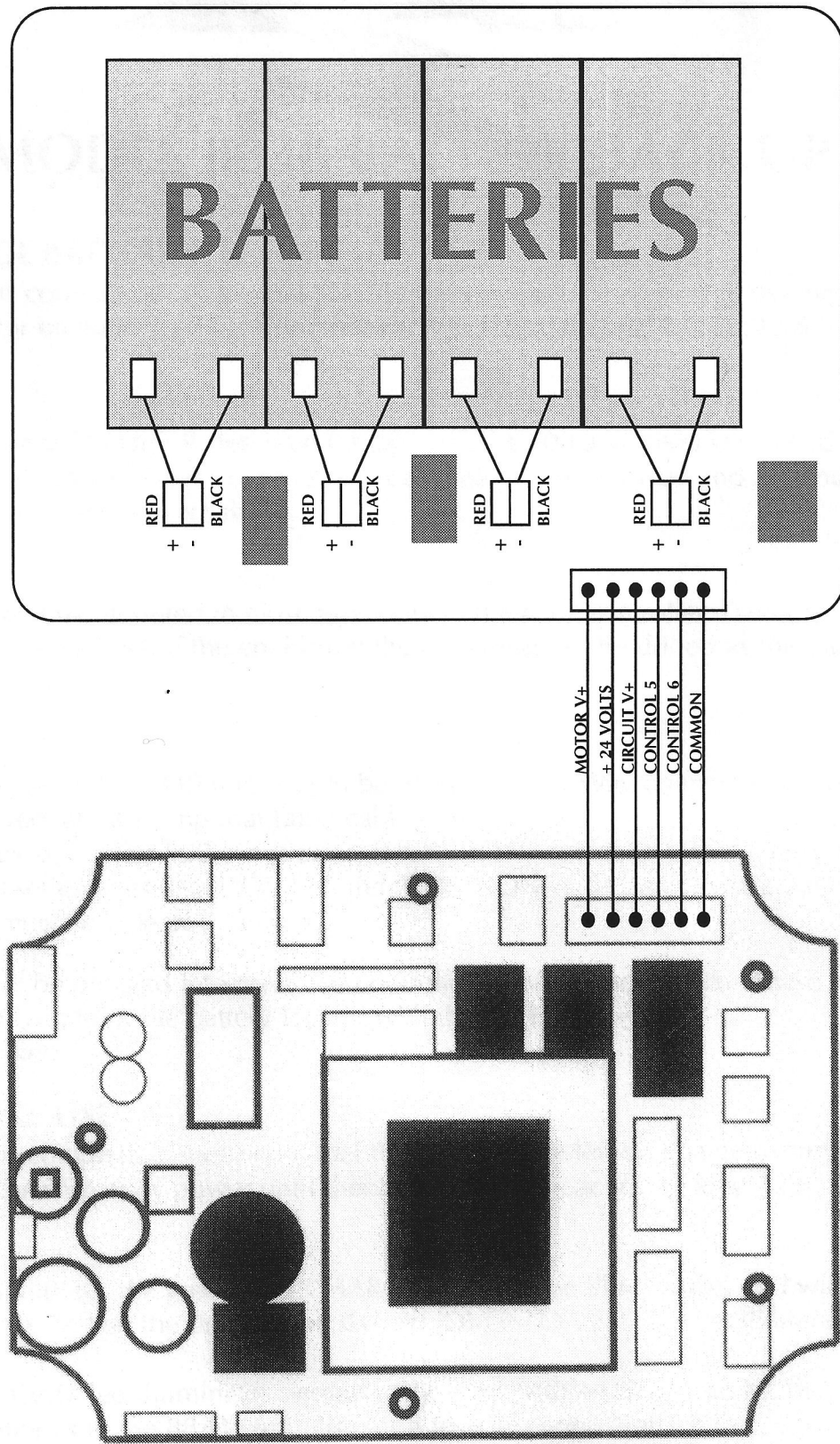
If the red 'OVER-LOAD' led illuminates permanently, even with no door activity, then check the connections of the batteries to the 8830 controller for a reverse connection. If the connections are correct then unplug each battery in turn to find which is faulty; replace this battery for a new one.

When mains supply has failed, no LEDs will illuminate on the 8830 unit. However the 'POWER' indicator of the 800/8800 controller will begin the flash, to show that the system is running on battery back up.

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800 / 8800 CIRCUIT BOARD AND 8830 BATTERY BACK - UP LAYOUT



FOR 800: MOTOR V + AND COMMON WIRES MUST BE AT LEAST 1.5 MM SQ CABLE
 FOR 8800: MOTOR V + AND COMMON WIRES MUST BE AT LEAST 2.0 MM SQ CABLE
 REMAINING FOUR CABLES MUST BE AT LEAST 0.5 MM SQ