

# NeoSlider Battery Backup Kit

## NES-500 / NES-800 Installation Instructions

### Sliding Gate Openers

| BATTERY BACKUP PACK NES -<br>ATA ORDER NO. 61936 |                         |     |
|--|-------------------------|-----|
| ITEM   | DESCRIPTION             | QTY |
| 1  | CHARGER ASSY SBC-02     | 1   |
| 2  | CHARGER HARNESS         | 1   |
| 3  | CHARGER BATTERY HARNESS | 1   |
| 4  | BATTERY COUPLING WIRE   | 1   |

| BATTERY BACKUP PACK NES -<br>ATA ORDER NO. 61936 |                             |     |
|--|-----------------------------|-----|
| ITEM   | DESCRIPTION                 | QTY |
| 5  | BATTERY HARNESS             | 1   |
| 6  | BATTERY 12PCA1.3 - 12V1.3AH | 2   |
| 7  | BATTERY BRACKET             | 1   |
| 8  | M6 X 60MM SCREWS            | 2   |

## Important Safety Instructions



### WARNING!

- **DO NOT** short the output of batteries. **Serious personal injury** and/or property damage can result from failure to follow this warning
- During charging and discharging cycles the lead-acid batteries may release explosive gases. Ensure that the area around the batteries is well ventilated
- Take care not to allow any metal objects to make contact with the positive and negative terminals. This will short circuit the battery causing sparks and possible damage to the battery, or even cause an explosion.



### ELECTROCUTION!

- The battery box unit should be installed away from sprinkler systems.
- **DO NOT** immerse in water or spray directly with a hose or other device.
- Disconnect the power cord from mains power before making any repairs or removing covers.



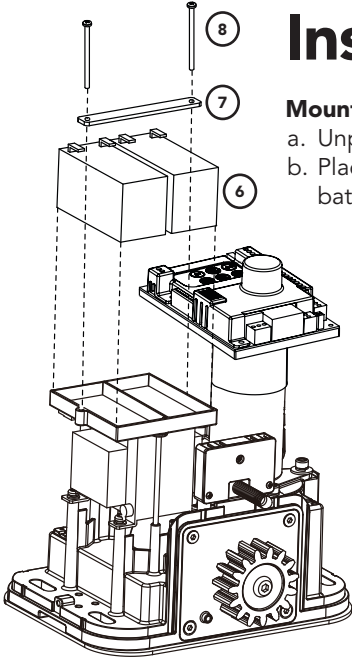
### CAUTION:

- **DO NOT** handle damaged or leaking batteries
- Wear appropriate protective clothing and avoid touching your eyes after working with batteries.
- The battery backup kit contains sealed lead-acid batteries that must be disposed of properly at the end of their useful life.

# Installation

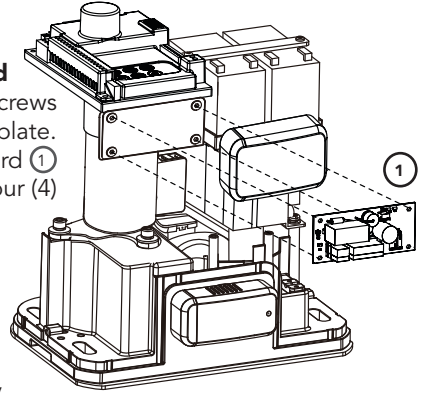
## Mount the Battery

- Unplug the drive unit from mains power and remove the main cover.
- Place the battery packs (6) on the stand as shown and secure with the battery bracket (7) and two (2) M6 x 60mm screws (8).



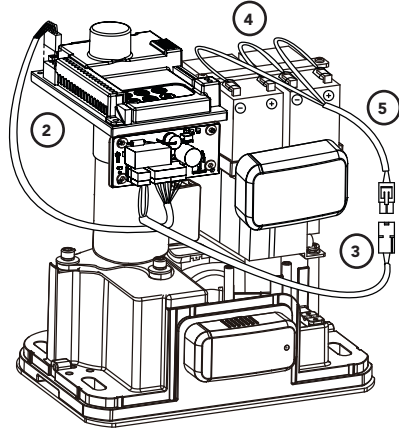
## Mount the Charger Board

- Remove the four (4) screws from the charger board plate.
- Mount the Charger Board (1) to the plate using the four (4) screws.



## Connect the Battery

- Plug the Charger Board's five wire charger harness (2) (orange/red/white/black/yellow) into the control board's "SBC-02" connector.
- Connect the blue coupling wire (4) to the two (2) middle connections on the batteries.
- Connect the black wire on the battery harness (5) to the black (-) terminal on the battery and connect the red wire to the red (+) terminal on the other battery .
- Connect battery harnesses (3) and (5) together.



**WARNING:** After Step (d) the opener may become active (even when power is off). This is a result of a residual charge in the batteries.

**NOTE:** Batteries may take up to 48 hours to charge fully after initial installation.

## Test the Opener

- If the opener is a new installation set up travel limits as per the Neoslider instruction manual.
- To test operation press either "OPEN" or "CLOSE" buttons, or use a transmitter to operate the gate.
- Whilst the gate is in motion, disconnect mains power. The gate should continue to operate as normal.

**NOTE:** Wait for the gate to complete its travel.

- Press the transmitter to activate the gate. Whilst the gate is in motion re-connect power. The gate should complete the cycle as normal.
- Refit the main cover onto the drive unit.

# Troubleshooting

| Symptom   | Possible cause   | Remedy  |
|---|--|---|
| Gate stops or moves very slowly under battery power     | Batteries may be weak or have no charge                  | Connect mains power and allow the batteries to charge. This may take 24 - 48 hours to reach maximum charge capacity.                      |
| Gate will not operate when mains power is disconnected. | Batteries / charger board may not be connected properly. | Check wiring.   |
|   | Batteries may have no charge                             | Connect mains power and allow the batteries to charge. This may take 24 - 48 hours to reach maximum charge capacity.                      |
|   | Faulty Charger board                                     | Disconnect the charger board from batteries and control board. Check voltage of the charger board. Voltage should be approximately 27.5V. |
|   | Faulty Batteries   | Disconnect the batteries from the charger board. Check the voltage of each battery. Voltage should not drop below 10V.                    |

# Maintenance

To ensure a long trouble free life for your battery backup it is recommended you run the testing procedure on a monthly basis. Batteries should not need replacing for 4 - 5 years.

Testing Procedure:

- Press the transmitter to activate the opener.
- Whilst the gate is in motion disconnect power. The gate should complete the cycle as normal.
- Wait for the gate to finish its travel.
- Press the transmitter to activate the opener.
- Whilst the gate is in motion reconnect power. If the gate stopped or moved very slowly under battery power, ensure mains power is connected for 24 - 48 hours to recharge the batteries. Test the opener again under battery power to ensure batteries are working effectively.

# Warranty

| WARRANTY PERIOD                            |        |
|--|--------|
| ACCESSORIES<br>Control Board and Batteries | 1 Year |

This Warranty is to be read in conjunction with the owner's copy of the operator installation instruction



