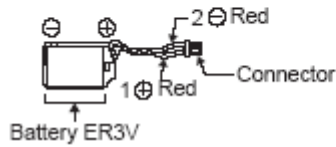


1) Wire a battery back to the 1CN breakout connector. Pin 14 is for the + connection and Pin 15 is for the - connection. Use a JZSP-BA01 or equivalent 3.6V, 1000mAh lithium battery.

Model: JZSP-BA01 (lithium battery)

(Battery: ER3V battery made by Toshiba Battery Co., Ltd.)

3.6 V 1000 mAh

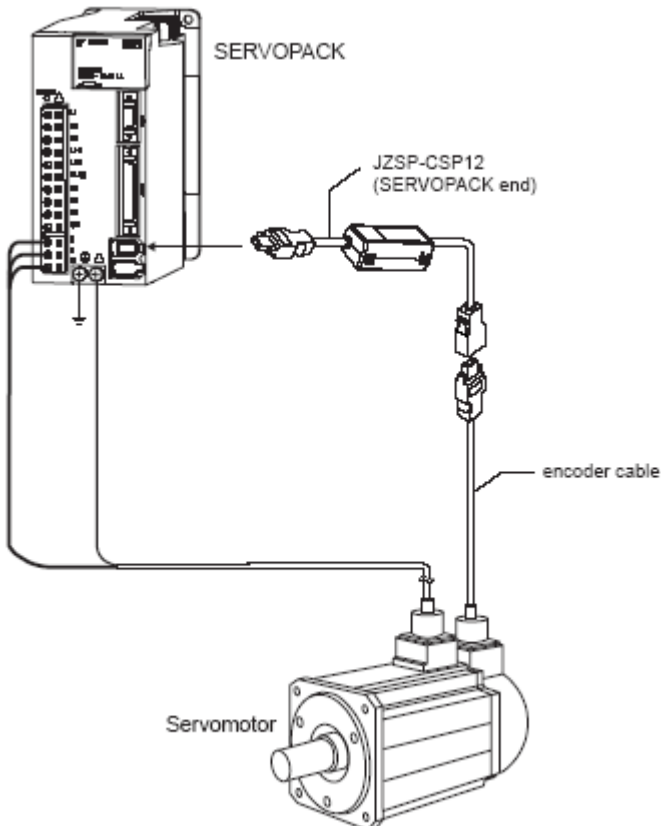


1a) Multiple batteries can be backed up with a single battery by wiring all of the connections in parallel (all pin 14 to + and all pin 15 to -). Just be sure to use a battery with large enough capacity. For example a Toshiba ER6VC3N (3.6V, 2000mAh lithium battery) or equivalent should be used.

ER6VC3N 3.6 V, 2000 mAh:



2) A 0.3m (1 ft) encoder cable extension with the JZSP-BA01 and JZSP-BA01 included is available. The part number is JZSP-CSP12. This solution gives the user plug-and-play connectivity at the ServoPack end of the encoder cable. Further this option allows the encoder cable to be disconnected from the ServoPack and still maintain absolute encoder position (Useful for machines where the panels must be removed for shipment). Be sure that the ambient temperature is 0°C to 55°C (32°F to 131°F).



3) A JUSP-BA01 battery case can be added to an existing encoder cable to provide absolute encoder back-up without a connection to the ServoPack. This option is most labor intensive because the customer must have access to the battery connections to modify the encoder cable. Customers that are manufacturing their own encoder cables should only consider it. Option 2 is preferred as no cutting of the cable is required. Please refer to the specific motor encoder cable diagram to find which color code represents the battery leads. A JZSP-BA01 battery must be ordered to use with the battery case. Be sure that the ambient temperature is 0°C to 55°C (32°F to 131°F).

