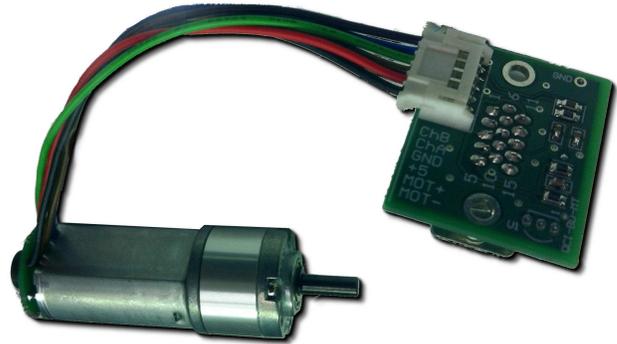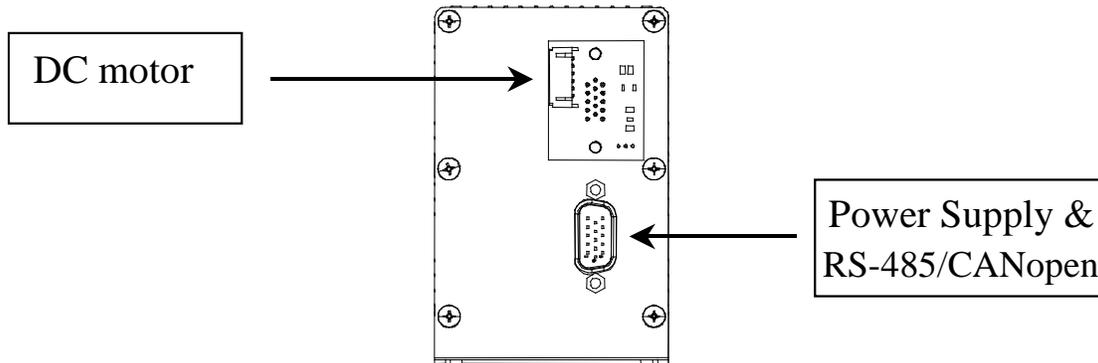# Transmotec DC motors with Encoder Feedback

Transmotec provides brushed DC motors in various sizes for a wide range of applications. These motors can be ordered with an encoder to optimize their performance with the SilverSterling™S2 controller family.

The QCI-BO-MT Transmotec breakout (shown on the right) is recommended for direct connectivity between the motor and controller.

Refer to Technical Document 075 for breakout details.
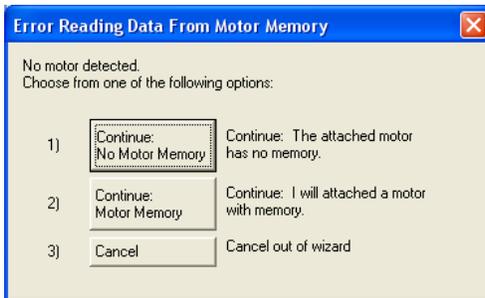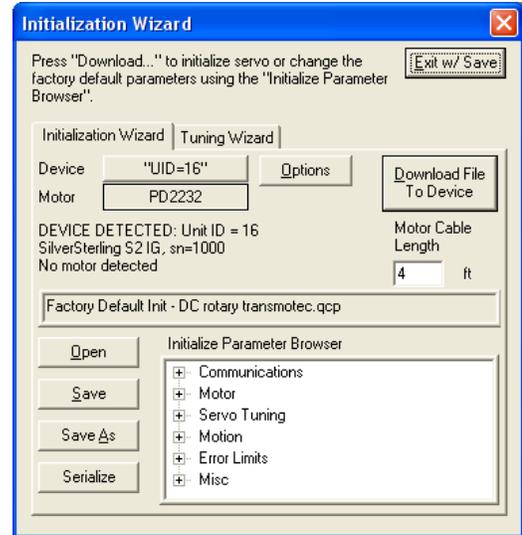

How to Use

QCI-S2-IG with QCI-BO-MT

The picture above shows a SilverSterling S2-IG Motor I/F port interfacing with a QCI-BO-MT. Transmotec DC motors with encoder option plug directly into the 6-pin connector. Power, communications and I/O are brought out through the HDDB15 SIP port.
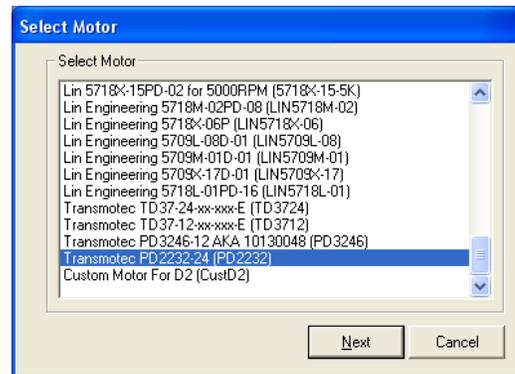
Initialization

Do no connect the motor until the controller is initialized for the specific motor.
A special file for your DC motor is required. Contact Support.

1. Open the Initialization Wizard under Tools

2. Click the *Open* button

3. Browse for the *Factory Default Init - Transmotec DC Motor.qcp* file included in this application note.

4. Enter the motor cable length

5. Click the *Download File to Device* button

6. Select *Continue: No Motor Memory.*

7. Select Motor Type and click *Next*.

8. Open Control Panel under the Tools menu to send test moves and jog the motor.

Refer to datasheet QCI-DS026 for more information on the SilverSterling.
Refer to technical document QCI-TD072 for details on setting up a SilverSterling.

For more information concerning Transmotec products, please contact Transmotec.