

UDC2000 TECHNICAL TIP

TPSC Motor Tests

Motor Wiring Test

- Check the wiring section of the product manual for proper motor wiring
- Turn off power to motor and controller.
- Loosen screw located below **INCREMENT** "□" and **DECREMENT** "□" keys and remove the controller from the case.
- Record Model number from chassis
 - Must be DC200E-1-XXX-XXXXXX-X OR
DC200E-3-XXX-XXXXXX-X
- **To test motor opening**
 - Short Terminals 4 and 5 on rear of controller case
 - Turn on power to motor and controller case
 - The motor should drive toward the open position
 - Turn off power to motor and controller case.
 - Remove short from Terminals
- **To test motor closing**
 - Short Terminals 9 and 10 on rear of controller case
 - Turn on power to motor and controller case.
 - The motor should drive toward the closed position
 - Remove short from terminals
- If either test *fails*, correct motor wiring.
- If tests *pass*, motor wiring is ok

UDC2000 TECHNICAL TIP

TPSC Motor Tests (Cont.)

Controller Configuration

- Configure as follows
 - Press **SETUP** key until **ALGOR** appears in lower display
 - Press **FUNCTION** key until **CTRALG** appears in lower display
 - Press **INCREMENT** " **↑** " key until **TPSC** appears in top display
- Press **DISPLAY** key to exit configuration mode

Controller Manual output test

- Model number must be DC200E-1-XX(**F or G**)-XXXXXX-X OR
DC200E-3-XXX (**F or G**)-XXXXXX-X
- Press **MANUAL/AUTO** key to place controller into manual mode.
 - "M" lit up in display.
- Press and hold in **INCREMENT** " **↑** " key.
 - The "1" should light next to "OUT" on the display.
 - The motor should drive open.
- Press and hold in **DECREMENT** " **↓** " key.
 - The "2" should light next to "OUT" on the display.
 - The motor should drive closed.
- If either test **fails**
 - Check configuration.
 - If configuration is OK, then output card is bad
- If tests **pass**, motor wiring and configuration is ok
- Place controller in **AUTO** mode