

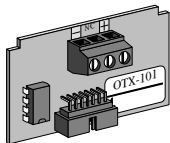
## DC Digital Positioner (High Resolution)



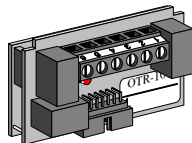
**DHC-400**

The **DHC-400** DC Digital High Resolution controller provides the optimum positioner for virtually any DC powered actuator and has wide operating voltage range of 10 to 30 VDC. The DHC-400 can mount in place of a DMC-100 Series controller which provides for easy upgrades in existing applications.

- **Adaptive Control** feature continuously adjusts for load and actuator conditions and positions to  $\pm 0.1^\circ$  with quarter-turn actuators ranging from 2 sec to 120 sec (with or without a brake).
- Three button control provides easy setup and eliminates the need for instrumentation, calibration procedures, and auto-cal operations.
- **Polarity Detection** feature allows direct or reverse acting operation without re-wiring.
- **Electronic Brake** feature can eliminate need for a mechanical brake and extends brake life if used.
- **Stall Detection** and **Motor Current Trip** feature protects actuator and/or valve from an over torque or stall condition.
- **Electronic Surge Supression** reduces wire size and battery/power supply requirements to 20% of locked rotor current.
- Automatic **Duty Cycle Control** feature prevents shutdown of a process due to a thermal overload of the actuator motor.



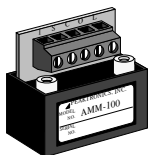
**OTX-101**



**OTR-101**



**OCM-102**



**AMM-100**

Model	Description	List
DHC-400	DC Digital High Resolution Controller	\$ Call

### Option Modules

Model	Description	List
OTX-101	Isolated 2-wire 4-20mA Transmitter (adjustable)	\$ Call
OTR-101	Isolated Transmitter (adjustable) and Relay module	\$ Call
OCM-102	Modbus Module (Isolated RS-485 connection)	\$ Call

### Accessories

Model	Description	List
AMM-100	Auto/Manual Station interface module	\$ Call