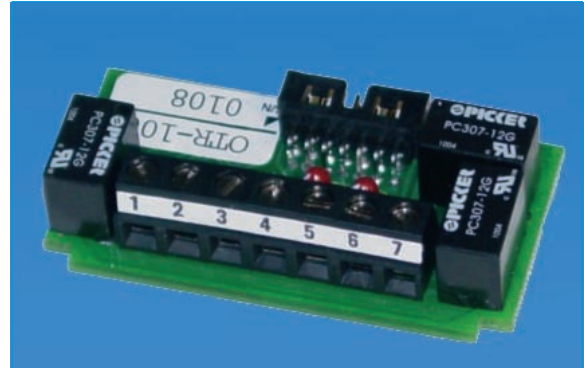


The transmitter/relay module has been specifically designed for use with the DHC-100 Positioner via plug and socket installation, and is supplied with its own terminal strip. This module provides a selectable output signal of 0-20mA as a current output signal, or 0-10 VDC as a voltage output signal. It also provides 3-SPST relay contact outputs that are typically used as end of travel limit switches (open and closed), and a fault indicator (loss of power, etc.). These contacts are rated for 1A @ 24vdc / 0.5A @ 125 VAC.

Transmitter/Relay Standard Features

- Transmitter/Relay plugs directly into DHC-100 positioner card
- Its own terminal strip
- Selectable current (0-20mA), or voltage (0-10 VDC) output signal
- 3-SPST independently configurable relay contacts
- Simple calibration via DHC-100 pushbuttons
- Control signal not required for calibration



Positioner

POWER REQUIREMENTS

DHC-100: 117 VAC 10%, 50/60 Hz
 12 VA typical (not including output load)
 Fuse Type: 5A TR5 Slo-Blo (replaceable)

COMMAND SIGNAL INPUT

Input Impedance
 20K ohms (1-5 VDC, 0-5 VDC, 0-10 VDC Input)
 251 ohms 1% (4-20 mA Input)
 Loss of Command threshold
 < 0.75V or > 5.5V (1-5 VDC input)
 < 3mA or > 22mA (4-20mA input)

FEEDBACK SIGNAL INPUT

Input Voltage: 0 to 2.5 VDC
 External Feedback Potentiometer: 1K ohm

POWER SUPPLY OUTPUTS

+15V OUT (J2-8): 125mA maximum (not including option module)
 +5V OUT (J2-7): 5mA maximum
NOTE: Do not connect these outputs to other power supplies.

AC MOTOR OUTPUTS

Off-state Leakage Current: <15mA
 Maximum Load Current @ 150C: 5A

ENVIRONMENTAL

Operating Temperature Range: 32 F to 150F
 Storage Temperature Range: -40 F to 185 F
 Relative Humidity Range: 0 to 90 %(noncondensing)

Specifications

Transmitter/Relay

CURRENT OUTPUT

0 to 20mA @ 8 VDC or 400 \circ maximum
 Resolution: 0.0031mA

VOLTAGE OUTPUT

0-10vdc @ 10mA maximum
 Resolution: 0.0016 VDC

RELAY OUTPUTS

Switch Contact Type: SPST
 Contact Rating (non-inductive):
 1A @ 24 VDC / 0.5A @ 125 VAC

ENVIRONMENTAL

Operating Temperature Range: 32 F to 150 F
 Storage Temperature Range: -40 F to 185 F
 Relative Humidity Range: 0 to 90 %(noncondensing)