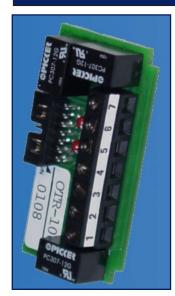
# **Series 92/94**

# Transmitter/Relay



The transmitter/relay module has been specifically designed for use with the DHC positioner via plug and socket installation, and is supplied with its own terminal strip. This module provides a selectable output signal of O-20 mA as a current output signal, or O-10 VDC as a voltage output signal. It also provides three 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 at 24 VDC / O.5A at 125 VAC.

# **Standard Features**

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

# **Specifications**

## **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

< 0.75 V or > 5.5 V (1-5 VDC input)

< 3 mA or > 22 mA (4-20 mA input)

#### **FEEDBACK SIGNAL INPUT**

Input Voltage: O to 2.5 VDC

External Feedback Potentiometer: 1K ohm

# **POWER SUPPLY OUTPUTS**

+15V OUT (J2-8): 125 mA maximum (not

including option module)

+5V OUT (J2-7): 5 mA maximum

# Transmitter/Relay

#### **CURRENT OUTPUT**

O to 20 mA @ 8 VDC or  $400\Omega$  maximum

Resolution: 0.0031mA

#### **VOLTAGE OUTPUT**

O-10vdc @ 10 mA 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 percent (non-

condensing)

NOTE: Do not connect these outputs to other power supplies.

### **AC MOTOR OUTPUTS**

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

#### **ENVIRONMENTAL**

Operating Temperature Range: 32° F to 150° F Storage Temperature Range: -40° F to 185° F

Relative Humidity Range: O to 90 percent (noncondensing)