

Motor Positioner

Models R7195A, B

Specification

Application

Refer to Figure 1.

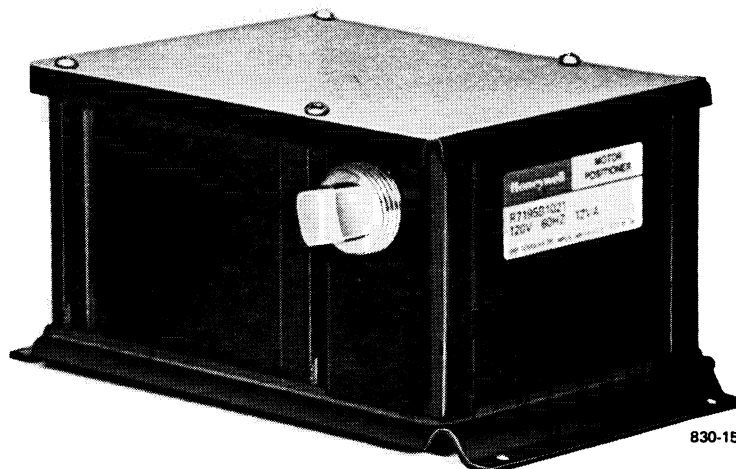
The R7195 motor positioner is a single channel solid state proportioning amplifier that will accept an output signal from a controller to position a reversing control motor with a 135 Ω or 1000 Ω feedback slidewire. Motors with slide-wires that have resistances other than 135 Ω or 1000 Ω will be shunted to one of these two values.

The R7195A motor positioner is factory adjusted to accept 4-20 mA input. The R7195B model positioner is factory adjusted to accept input from a 135 Ω re-transmitting slidewire.

The motor positioner can accommodate motors with 100 Ω feedback slidewire by removing resistor R33.

Features

- The R7195 motor positioner accepts a 4-20 mA or 135 Ω signal to provide position proportional control of M944 Modutrol Motor without balance-relay and M940A, B Actionator.
- It comes in a heavy duty case
- It can be mounted directly on M940 Actuator.
- Solid state design extends product life and reliability.
- Zero, span and deadband adjustments allow motor to be field adjusted to various input ranges; i.e., split ranging.
- Hard Manual feature allows the operator to override the controller (4-20 mA or 135 Ω input) action to open or close fully the final control element.
- Reversing direction of the motor can be accomplished by simple wiring change of R7195.
- Output from one R7355 4-20 mA DialaTrol can operate up to 8-R7195A and associated M944s or M940s.
- Output from one 135 ohm Series 90 Controller can operate up to five R7195B.
- Span and zero adjustment do not interact with each other so each ad-



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Figure 1—Motor positioner Models R7195A, B

justment can be made independently without having to readjust the other parameter.

- It can operate with motor feedback slidewire between 100 and 1000 ohms.

Specifications

Operating Conditions

Electrical Ratings	<i>Input:</i> 120 Vac, 12 VA
	220, 240 Vac; 15 VA
	<i>Load:</i> 24 Vac, 30 VA
	120, 220, 240 Vac; 150 VA
Operating Temperature	– 30°F to 150°F (– 35°C to 65°C)

Design

Slidewire Resistance	135 ohms or 1000 ohms
Input Range—R7195A (4-20 mA Input)	<i>Adjustments:</i> Zero: 0.8 to 16.8 mA
	Span: 2.0 to 20.0 mA
	Deadband: 1% to 5%
	Factory Settings: Zero = 4.0 mA input = 0% to 5% feedback potentiometer position Full Scale = 20.0 mA input = 95% to 100% feedback potentiometer position
Input Range—R7195B (135Ω retransmitting slidewire input)	<i>Adjustments:</i> Zero: 0% to 80% of slidewire input
	Span: 12.5% to 125% of slidewire input
	Deadband: 1% to 5% of slidewire input
	Factory Settings: Zero = 0%–2% input potentiometer = 0% to 10% feedback potentiometer position Full Scale = 98% input potentiometer = 90% to 100% feedback potentiometer position

Repositions	Deadband Setting	Repositions
	1% 5%	100 20
Input Impedance	R7195A – 75 ohms	R7195B – 1M ohms
Approval Bodies	Underwriters Laboratories Listed, Type 4 Enclosure, File E84572; CSA Certified, Enclosure 4, File LR47125	
Dimensions	Refer to Figure 2.	
Weight	R7195A: 2.7 lbs (1.2 kg); R7195B: 3 lbs (1.4 kg)	

Specifications are subject to change without notice.

TABLE 1—R7195 Models

Model Numbers	Operating Voltage	Controller Input
R7195A1031	120V	4-20 mA
R7195A1049	240V	4-20 mA
R7195A1056	120V	4-20 mA (equipped for 1000Ω feedback slidewire)
R7195A1064	220V	4-20 mA
R7195B1021	120V	135Ω input
R7195B1039	240V	135Ω input

Ordering Information

Specify model number from Table 1.

Order from:

Honeywell
1885 Douglas Drive North
Minneapolis, Minnesota 55422

In Canada—

Honeywell Limited
155 Gordon Baker Road
Willowdale Ontario M2H 3N7

For more information, contact the nearest Honeywell sales office or Honeywell, Process Control Division, 1100 Virginia Drive, Fort Washington, PA 19034.

Dimensions: $\frac{\text{millimetres}}{\text{inches}}$

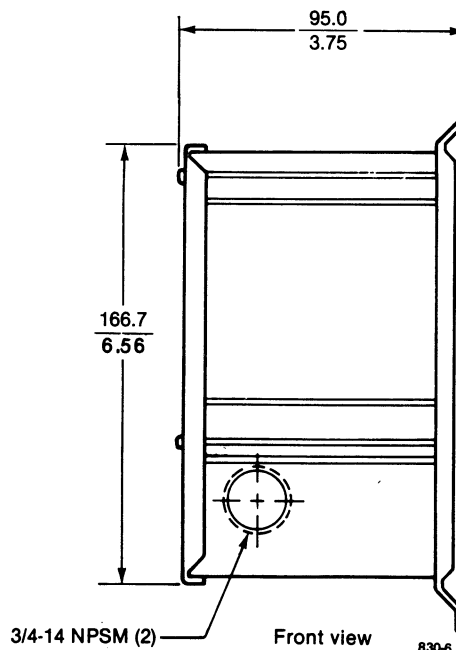
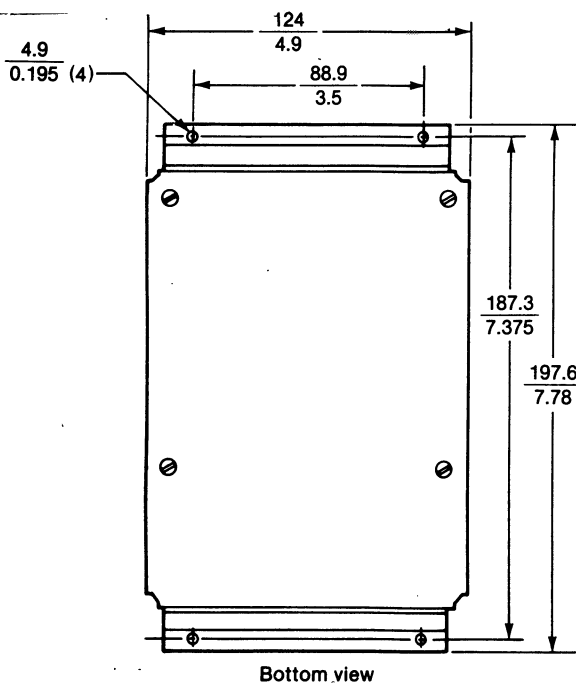


Figure 2—Dimensions drawings—Model R7195A, B motor positioners