

**RETROLINE®**

easily replaces:

- Barber-Colman
- Johnson Controls
- Honeywell
- Robertshaw
- Seibe



195 Single Input Receiver-Controller.

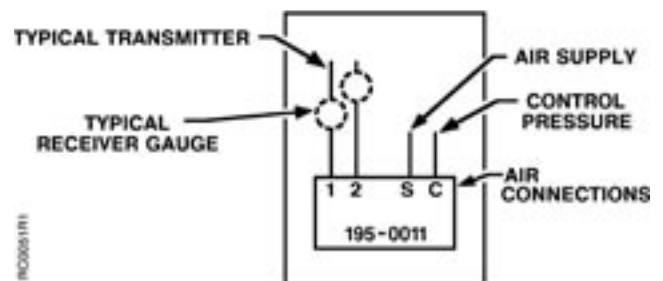
**Description**

The 195 Single Input Receiver-Controller is a pneumatic controller which receives one pneumatic input, and produces a pneumatic output signal based on the net pneumatic input and the mechanical settings of the set point and percent proportional band. Controller can be easily changed from direct to reverse acting.

Retroline Receiver-Controller (195-1000) includes decals and installation instructions to replace competitive models.

**Applications**

The 195 Single Input Receiver-Controller is a one-input, direct/reverse acting, instrument used to control temperatures, humidity, and pressure of mechanical equipment in commercial and industrial facilities.

**Typical Connections**

# features

- Rugged proven design
- Plug-in air connections for ease of installation, calibration, and service
- Internal restrictors for transmitter inputs
- Stick-on scales included for set point dial in standard transmitter ranges
- Large, easy-to-read scales on all adjustments
- Calibration card for converting transmitter range to 3 to 15 psi (21 to 103 kPa) signal
- Tamper-resistant cover

**Options**

- Retroline products for replacing competitive products
- Pressure Gauge (order separately)

# Specifications/Product Ordering

### Action

Input #1 ..... Direct  
 Input #2 ..... Reverse

**Pneumatic Inputs** ..... 3 to 15 psi (21 to 103 kPa)

**Control Output** ..... 0 psi (0 kPa) to supply pressure 22 psi (152 kPa)

### Operating Ambient

**Temperature Range** ..... 40 to 120°F (4 to 49°C)

### Supply Pressure

Operating ..... 22 psi (152 kPa)  
 Maximum Safe ..... 30 psi (207 kPa)

### % Proportional Band

**Adjustment Range** ..... 2 to 20% for a 5 psi (34 kPa)  
 control pressure change

**Air Consumption** ..... 60 scim (17 ml/s), *not including transmitters*

**Air Capacity** ..... 2 psi (14 kPa) Pressure Change at  
 9 psi (62 kPa) control pressure

Supply ..... 640 scim (175 ml/s)  
 Exhaust ..... 590 scim (161 ml/s)

**Mounting** ..... Surface

### Air Connections

Barb fittings for 1/4" (6 mm) OD polyethylene tubing. Two plug-in connectors are provided; one for the direct acting and the reverse acting transmitter inputs and one for supply and control lines. 1/8" NPT connection provided for control pressure gauge (gauge not included).

**Case Material** ..... Lexan, 20% glass-filled

**Dimensions** ..... 6.75" W x 5.69" H x 3.5" D  
 (171 mm W x 144 mm H x 89 mm D)

**Shipping Weight** ..... 3.1 lb. (1.4 kg)

Description		Part No.	
<b>RETROLINE®</b>	195	Single Input Receiver-Controller	<b>195-0011</b>
	<b>Manufacturer Part No.</b>	<b>Manufacturer</b>	<b>Part No.<sup>1</sup></b>
	RKS-1001	Barber-Coleman	<b>195-1000</b>
	RKS-2001	Barber-Coleman	<b>195-1000</b>
	RKS-5001	Barber-Coleman	<b>195-1000</b>
	RP908A	Honeywell	<b>195-1000</b>
	RP920A	Honeywell	<b>195-1000</b>
T-5800-1	Johnson Controls	<b>195-1000</b>	

### Ordering Note

- Includes **195-0011** plus decals to replace any competitive single input receiver-controller.



## Multiple Input Receiver-Controller

### RETROLINE®

easily replaces:

- Barber-Colman
- Johnson Controls
- Honeywell
- Robertshaw
- Seibe



195 Multiple Input Receiver-Controller with Control Pressure Gauge.

### Description

The 195 Multiple Input Receiver-Controller is a pneumatic controller that receives up to three pneumatic inputs and produces a pneumatic output signal based on the net pneumatic input and the set point, percent proportional band and authority settings. The Controller can be easily changed from direct to reverse acting.

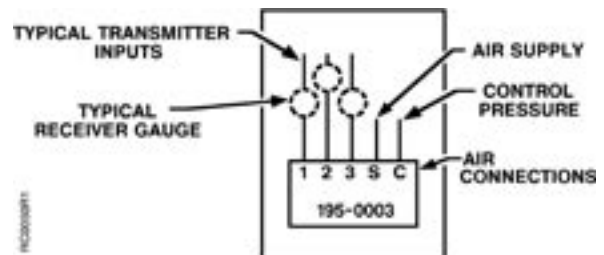
Retroline Receiver-Controller (195-1000) includes decals and installation instructions to replace competitive models.

### Applications

The 195 Multiple Input Receiver-Controller is commonly used when the set point needs to be automatically reset based on a separate input; can be used as a single input device.

*Example:* Change hot water supply temperature set point based on outside air temperature.

### Typical Connections



# features

- Rugged proven design
- Plug-in air connections for ease of installation, calibration, and service
- Internal restrictors for transmitter inputs
- Stick-on scales included for set point dial in standard transmitter ranges
- Large, easy-to-read scales on all adjustments
- Calibration card for converting transmitter range to 3 to 15 psi (21 to 103 kPa) signal
- 0 to 30 psig (0 to 200 kPa) Pressure Gauge
- Retroline replacement products for competitive products

# Specifications/Product Ordering

**Action**  
 Input #1 ..... Direct  
 Input #2 ..... Reverse

**Reset**  
 Input #3 ..... Direct reset relative to Input #2  
 Reverse reset relative to Input #1

**Pneumatic Inputs** ..... 3 to 15 psi (21 to 103 kPa)

**Control Output** ..... 0 psi (0 kPa) to supply pressure 22 psi (152 kPa)

**Operating Ambient Temperature Range** ..... 40 to 120°F (4 to 49°C)

**Supply Pressure**  
 Operating ..... 22 psi (152 kPa)  
 Maximum Safe ..... 30 psi (207 kPa)

**% Proportional Band Adjustment Range** ..... 2 to 20% for a 5 psi (34 kPa) control pressure change

**% Authority Adjustment Range** ..... 20 to 200%

**Air Consumption** ..... 60 scim (17 ml/s), *not including transmitters*

**Air Capacity** ..... @ 2 psi (14 kPa) Pressure Change and 9 psi (62 kPa) control pressure  
 Supply ..... 640 scim (175 ml/s)  
 Exhaust ..... 590 scim (161 ml/s)

**Mounting** ..... Surface, vertical

**Air Connections**

Barb fittings for 1/4" (6 mm) OD polyethylene tubing. Two plug-in connectors are provided; one for the three transmitter inputs and one for supply and control lines. 1/8" NPT connection provided for control pressure gauge.

**Case Material** ..... Lexan, 20% glass-filled

**Dimensions** ..... 6.75" W x 5.69" H x 3.5" D  
 (171 mm W x 144 mm H x 89 mm D)

**Shipping Weight** ..... 3.1 lb. (1.4 kg)

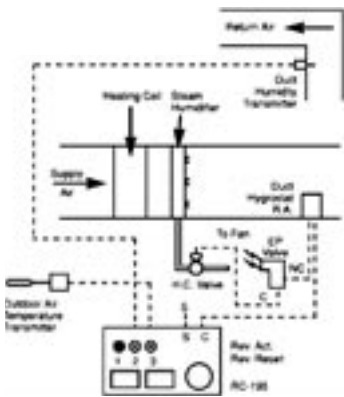
195	Description		Part No.
	Multiple Input Receiver-Controller		<b>195-0003</b>
RETROLINE®	Manufacturer Part No.	Manufacturer	Part No. <sup>1</sup>
	RKS-3002	Barber-Coleman	<b>195-2000</b>
	RKS-4002	Barber-Coleman	<b>195-2000</b>
	T-5800-3	Johnson Controls	<b>195-2000</b>
	P-341	Robert-Shaw	<b>195-2000</b>
	P-541	Robert-Shaw	<b>195-2000</b>
	RP908B	Honeywell	<b>195-2000</b>
	RP920B	Honeywell	<b>195-2000</b>

**Ordering Note**

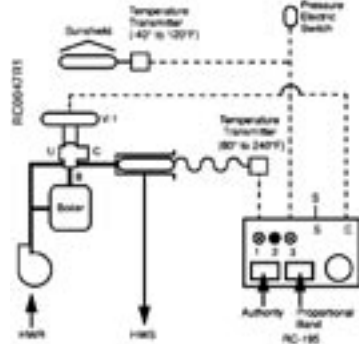
- 1. Includes **195-0003** plus decals to replace competitive receiver-controllers.



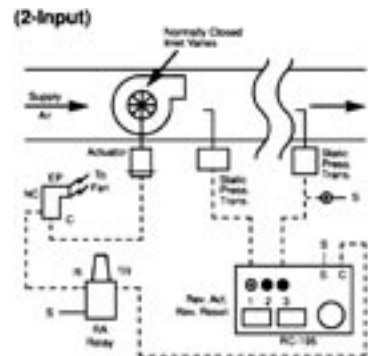
## Dimensions/Engineering Drawings



Humidity Control.



Temperature Control.



Static Pressure Control.