

## **Description**

The KMC RCC-1505 thru 1508 Addition and Subtraction Relays are designed for use in pneumatic control circuits.

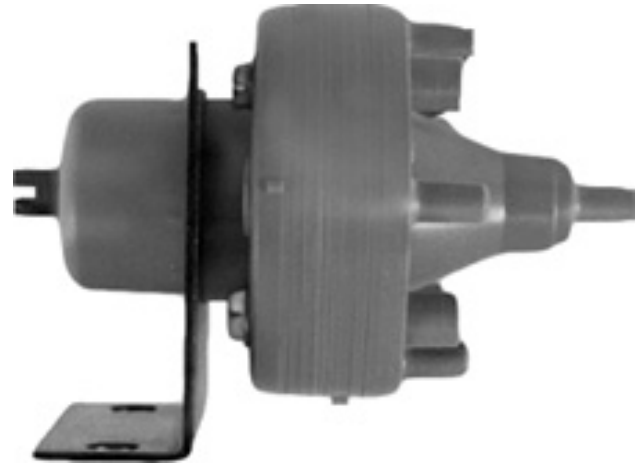
RCC-1505 and 1506 are addition relays. They add two input signals together into one signal. This combined signal can have a maximum pressure of 30 psig (207 kPa). These models are used in systems where the output signal to a controlled device must be the sum of signals from two separate sources.

RCC-1507 and 1508 are subtraction relays. They subtract one signal from another. They are intended for use where the output signal to the controlled device must be the difference between two source signals.

All models feature a +/- 15 psig (103 kPa) bias adjustment to retard or advance the output. Additionally, their small size and light weight make them suitable for in-line mounting in any position.

## **Features**

- ◆ Addition or subtraction of input signals up to 30 psig (207 kPa) maximum
- ◆ A +/- 15 psig (103 kPa) bias adjustment retards or advances output
- ◆ Suitable for in-line mounting

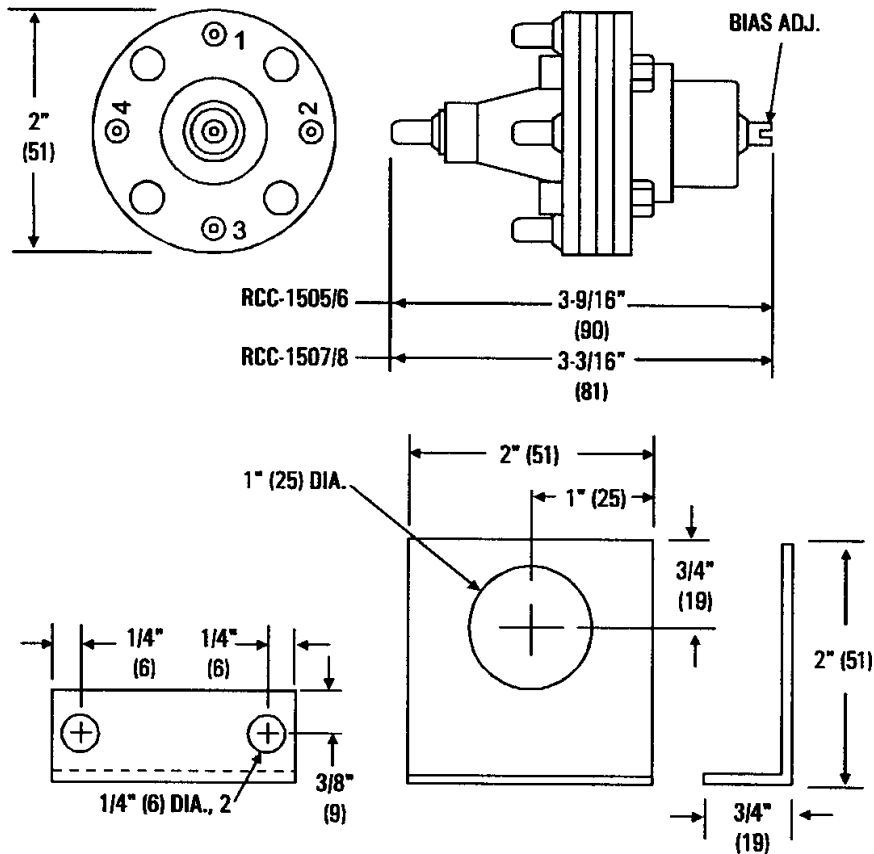


## **Models**

RCC-1505	Addition; in-line
RCC-1506	Addition; with bracket
RCC-1507	Subtraction; in-line
RCC-1508	Subtraction; with bracket

## Details

All dimensions in inches (mm).



## Specifications

**Supply Pressure** 30 psig (207 kPa) maximum

**Air Consumption** 14.4 scim (3.9 mL/s)

**Air Capacity** 1728 scim (472 mL/s)  
@ 20 psig (138 kPa)

**Connection** 3/16" (5 mm) nipple for 1/4"  
(6 mm) OD polyethylene  
tubing

### Factory Settings

RCC-1505/1506 Port 1 = Port 2 + Port 3 (will  
not exceed main air  
pressure)

RCC-1507/1508 Port 1 = Port 2 - Port 3

**Material** ABS, UL Flame Class 94 HB

**Weight**  
1505: 2-1/2 oz. (71 grams)  
1506: 3-3/4 oz. (106 grams)  
1507: 2-1/4 oz. (64 grams)  
1508: 3-1/2 oz. (99 grams)

### Temperature Limits

Operating 40° to 120° F (4° to 49° C)

Shipping -40° to 140° F (-40° to 60° C)

## !CAUTION

Pneumatic devices **MUST** operate with **CLEAN, DRY**, control air. Any other medium will result in the device's eventual failure.

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