

Description

The CCC-1002 is a pneumatic, proportional control device. Use with pneumatic transmitters or other 3 to 15 psig pneumatic devices, for controlling valves and actuators in HVAC systems.

Proportional band action, authority and setpoint are easily adjustable. Remote setpoint adjustment may be used if the application dictates.

The integral setpoint dial applies to port "1" and is marked from 3 to 15 psi. Adhesive dials are available to match the ranges of each Kreuter pneumatic transmitter. Order dials separately.

With the inputs and features included, it is particularly suitable for most control applications requiring a receiver controller. For "Low Limit" applications, use CCC-1001 Receiver Controller.



Features

- ◆ Dual inputs
- ◆ Remote setpoint adjustment
- ◆ Field selectable, proportional, direct or reverse action
- ◆ Adjustable authority

Application

The CCC-1002 is designed to control valves and actuators in HVAC systems, including low limit applications.

The CCC-1002 is designed to work with pressure switches, receiver gauges, relays and temperature transmitters.

!CAUTION

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

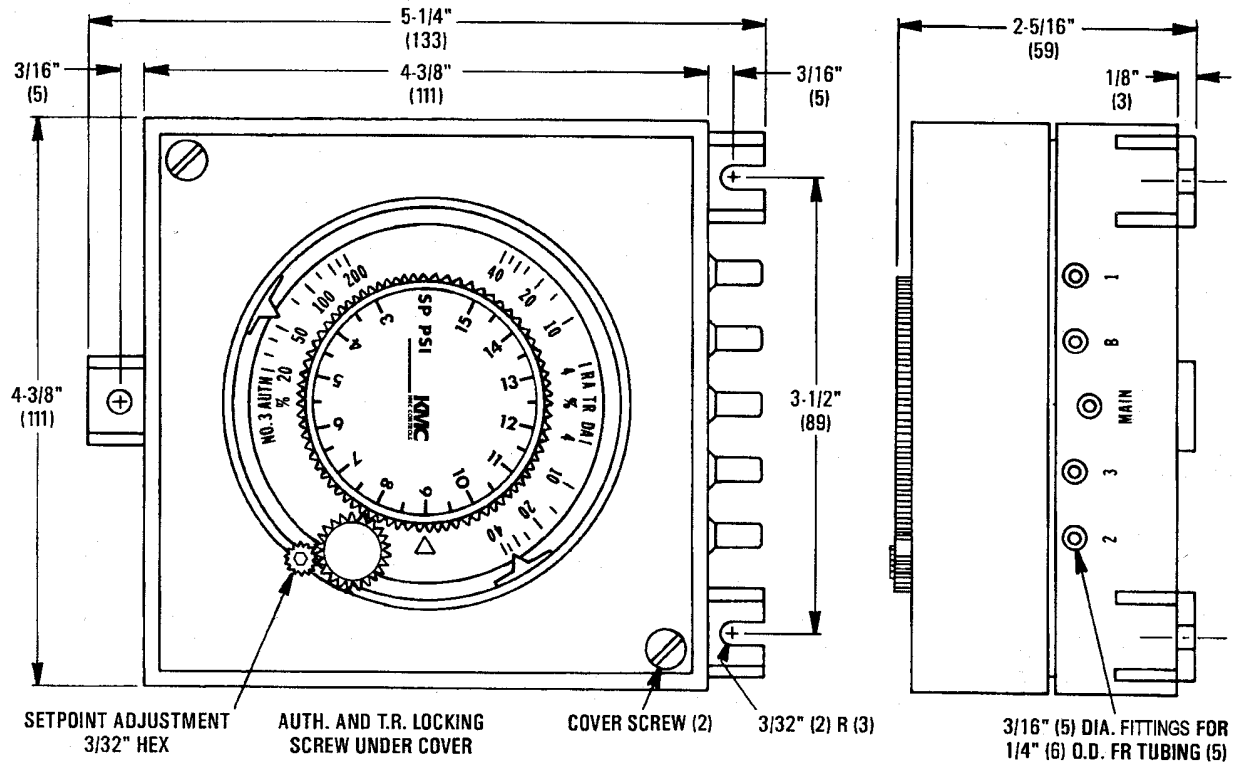
Accessories

Adhesive dials for the CCC-1002.

HDO-2301: 0 to 50 psi	HDO-3301: 0 to 3.5 kPa
HDO-2302: 0 to 100 psi	HDO-3302: 0 to 7.0 kPa
HDO-2304: 0 to 300 psi	HDO-3304: 0 to 21.0 kPa
HDO-2310: 200 to 2,000 psi	HDO-3310: 1 to 10 M/S
HDO-2311: 300 to 3,000 psi	HDO-3311: 1.5 to 15 M/S
HDO-2312: 400 to 4,000 psi	HDO-3312: 2 to 20 M/S
HDO-2313: 550 to 5,500 psi	HDO-3313: 2.5 to 28 M/S
HDO-2320: 0 to 0.5" WC	HDO-3320: 0 to 125 Pa
HDO-2321: 0 to 1.0" WC	HDO-3321: 0 to 250 Pa
HDO-2322: 0 to 2.0" WC	HDO-3322: 0 to 500 Pa
HDO-2323: 0 to 4.0" WC	HDO-3323: 0 to 1,000 Pa
HDO-2324: -0.5" to 0.5" WC	HDO-3324: -125 to 125 Pa
HDO-2330: 30° to 150° F	HDO-3330: 0 to 65° C
HDO-2331: 30° to 230° F	HDO-3331: 0 to 110° C
HDO-2332: -50° to 150°	HDO-3332: -45° to 65° C
HDO-2333: 0° to 100° F	
HDO-2334: 50° to 150° F	
HDO-2335: 50° to 100° F	

Details

All dimensions in inches (mm).



Specifications

Pressure Supply	20 psig (138 kPa)
Max.	30 psig all ports (207 kPa)
Air Consumption	43.2 scim max. (11.8 mL/s)
Setpoint	1.75 psi (12 kPa)/ rev. adjustable
Throttling Range	4% to 40%
Action	Direct or Reverse
Authority	20% to 200% of primary input
Remote Setpoint	+/- 10% of primary input span, direct acting

Inputs	
Port 1	Primary signal 3 to 15 psig (21 to 103 kPa)
Port 2	Remote setpoint adjustment 3 to 15 psig
Port 3	Secondary signal 3 to 15 psig
Output	Port "B" branch

Connections	3/16" (5 mm) nipples for 1/4" (6 mm) O.D. polyethylene tubing
Weight	21 oz. (595 grams)
Material	
Base	ABS UL Flame Class 94 HB
Levers, Flexures	Stainless Steel
Diaphragms	Neoprene
Finish	Beige with clear cover
Temperature Limits	
Operating	40° to 120° F (4° to 49° C)
Shipping	-40° to 140° F (-40° to 60° C)

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