CCC–1001
Receiver Controller, Dual Input w/Remote Setpoint Adjustment

Description

The KMC CCC–1001 Receiver Controller is a pneumatic proportional controller designed for use with pneumatic transmitters, or 3 to 15 psig (21 to 103 kPa) pneumatic devices, to control valves and actuators in HVAC systems. The unit is particularly suitable in low limit applications.

The CCC–1001's dual inputs accept 3 to 15 psig (21 to 103 kPa) signals. Field selectable proportional band action, set points and a remote setpoint adjustment add extra flexibility. The unit's authority is adjustable from 20 to 200% of the primary input signal.

Features

- Dual inputs
- Remote setpoint adjustment
- Field selectable proportional action
- Adjustable authority

Application

The CCC–1001 is designed to control valves and actuators in HVAC systems, including low limit applications.

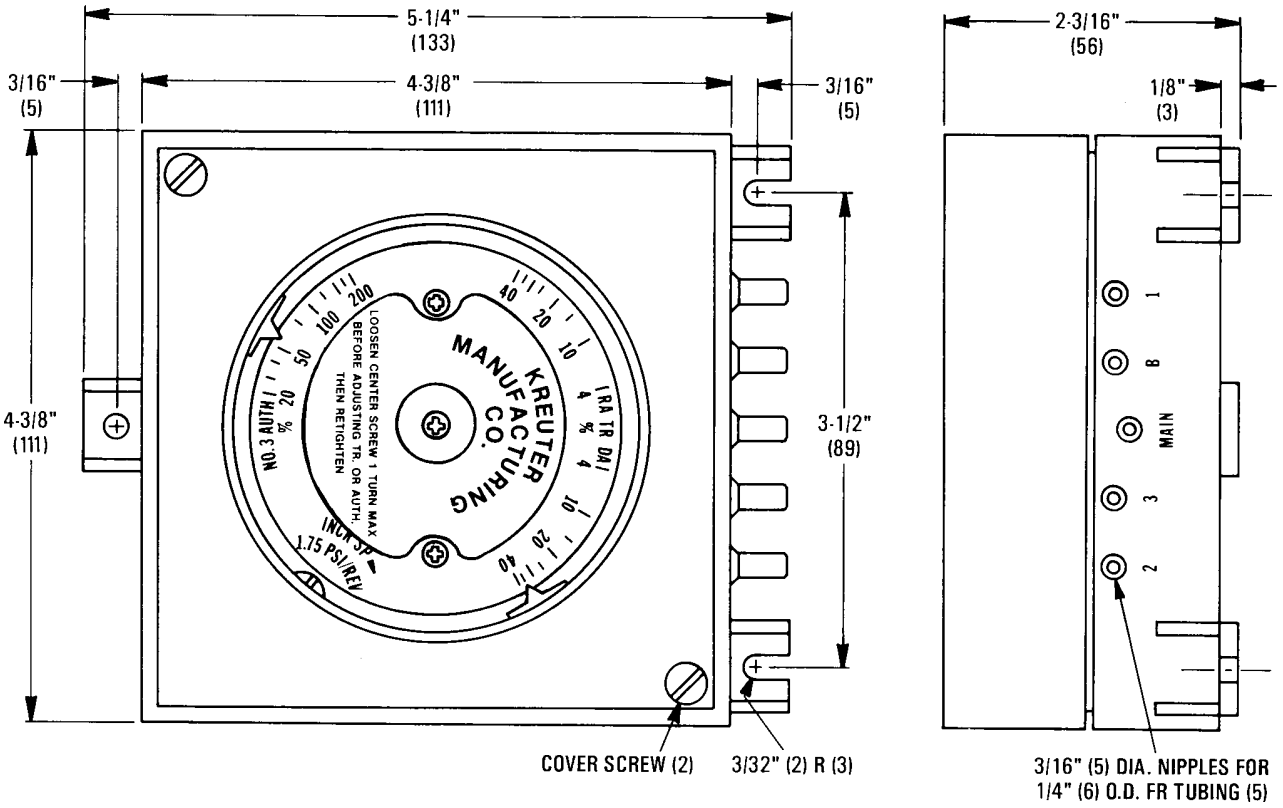
The CCC–1001 is designed to work with pressure switches, receiver gauges, relays and temperature transmitters.

!CAUTION

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

Details

All dimension 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 to15 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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