

Description

The CTC-1621 and 1622 thermostats are designed for proportional control of pneumatic valve and damper actuators in HVAC systems. They utilize a highly sensitive bimetal element with feedback and a pilot bleed relay for accuracy and stability.

Models are available with direct or reverse proportional action. The CTC's throttling range is factory set and is field adjustable. Setpoints are adjusted using sliders which can be locked or limited using setpoint stops (HFO-0027).

The unit is pictured *with* optional cover and scale plate. These items may be ordered separately or in a value package (CTC-162X-103) that includes the most commonly ordered accessories.



Features

- ◆ Sensitive bimetal element and pilot bleed relay provide consistent, accurate feedback
- ◆ Direct or reverse acting, proportional control of valve or damper actuators
- ◆ Field adjustable throttling range

Models

CTC-1621	Direct acting
CTC-1621-103	Direct acting, Value Package
CTC-1622	Reverse acting
CTC-1622-103	Reverse acting, Value Package

Accessories

HFO-0027	Setpoint stops
HFO-0028	Tubing kit; 3/32" ID
HMO-5023	Drywall mounting kit
HMO-5024	2" x 4" almond backplate w/ alum. trim
HMO-5026	2" x 4" white backplate w/ alum. trim
HMO-5030	2" x 4" almond backplate w/ matching trim
HMO-5031	2" x 4" white backplate w/ matching trim

HPO-0047-10	°F Horizontal scale plate
HPO-0048-10	°F Vertical scale plate
HPO-0049-11	°C Horizontal scale plate
HPO-0050-11	°C Vertical scale plate
HPO-1320	Label strip

ABS COVERS

HPO-1501	Blank; almond color
HPO-1502	Blank; white color
HPO-1511	Window; almond color
HPO-1512	Window; white color

METAL COVERS

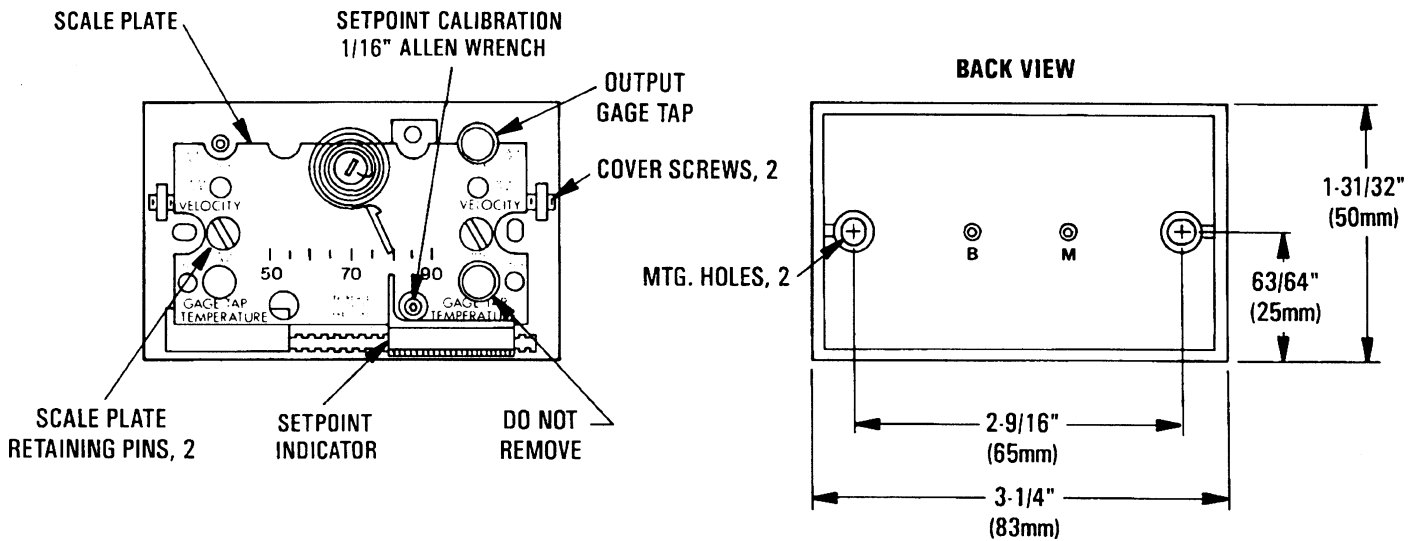
HPO-1503	Blank; brushed aluminum finish
HPO-1504	Blank; painted white
HPO-1505	Blank; brushed brass finish
HPO-1506	Blank; painted almond
HPO-1513	Window; brushed aluminum finish
HPO-1514	Window; painted white
HPO-1515	Window; brushed brass finish
HPO-1516	Window; painted almond

UNIVERSAL UPGRADE KITS

HMO-5500	Almond, for competitive brands
HMO-5501	White, for competitive brands

Details

All dimensions in inches (mm).



!CAUTION

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

Specifications

Setpoint Range	55° to 85° F (13° to 29°), adjustable via slider; adjuster may be concealed and locked or limited
Throttling Range	3° to 12° F (1.7° to 6.7° C) factory set @ 3° F, field adjustable up to 12° F
Calibration	9 psig (62 kPa) branch pressure
Air	
Supply Pressure	20 psig (138 kPa); 30 psig (207 kPa) maximum
Capacity	200 scim (55 mL/s)
Consumption	20 scim (5.5 mL/s)
Material	Black ABS
Weight	3 oz. (85 grams)
Temperature Limits	
Operating	40° to 120° F (4° to 49° C)
Shipping	-40° to 140° F (-40° to 60° C)

KMC Controls, Inc.

19476 Industrial Drive

New Paris, IN 46553

574.831.5250

www.kmccontrols.com