## **THERMOSTATS & CONTROLLERS**

### PROPORTIONAL ROOM THERMOSTAT



#### **DESCRIPTION**

The **Kele Model RTC-2P** Room Thermostat Proportional Controller features two proportional outputs (heating and cooling). The proportional plus Integral (PI) control is suitable for pressure dependent VAV box control, as well as fan coil, baseboard, or air handler applications. The occupant controls include a digital display and buttons for setpoint adjustment and night setback/setup override. The **Model RTC-2P** comes with a remote setback input for use with BAS systems and a changeover input for one-pipe system applications. Field setup is through push buttons with adjustments for setback temperatures, deadband, and °F or °C display.



- · Digital display for °F or °C
- · Set point adjustment buttons
- · Night setback manual button or clock input
- · Remote sensor input
- Changeover input
- Two proportional outputs heating and cooling
- PI control algorithm
- 0-10V or 2-10V outputs



#### **APPLICATION**

The stand-alone **Model RTC-2P** is ideal for use when a central temperature control system may not be possible. Applications include any pressure-dependent VAV box control. The H/C output can also be used for modulating control of room-based discharge air, fan coil valves, or baseboard heat.

SPEC	CIFIC	ATIO	NS

Supply Voltage 24 VAC ±20%, 50/60 Hz

Supply VA 3 VA

Outputs Proportional, 2-10V standard, 0-10V

configurable (install 42K resistor in

R14/R15)

**Control** PI algorithm

Inputs

Remote sensor 10K Type III thermistor Changeover Contact or thermistor, Type III

Setback Isolated 24V contact Shutdown Isolated 24V contact

Controls Setpoint buttons up/down, Setback-

enable button or 30 minute override

**Range** 40° to 90°F (4° to 32°C)

Display

Proportional Band

0.35" (0.89 cm), two-digit LCD

Cooling1.8°F (1.0°C)Heating2.7°F (1.5°C)Reset Integral Time15 minutes

**Changeover** Contact or 80°F (26.6°C) with a

Type III thermistor

**Deadband** -1.8° to 9.0°F (-1.0° to 5.0°C) **Dimensions** 4.0"H x 4.9"W x 1.2"D

(12.45 x 10.16 x 3.05 cm)

Weight 0.45 lb (0.2 Kg)
RoHS Statement Yes

Warranty 1 year

September 2016

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RTC-2P

70°





