Submittal Sheet

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RDU/RDX Series Room Temperature Controllers

Product Numbers

Floudel Numbers				
RDX42.22U	RDU20U	RDU50U	RDU50.2U	Description
•	•	•		Heating only
•	•	•		Cooling only
•			•	Manual heat/cool
				changeover
	•	•		Automatic heat/cool
				changeover
	•	•	•	Two-pipe application
•				Four-pipe application
		•	•	0-10V valve or
				actuator output
	•			Floating (3-position)
				or on/off actuator
				output
•				On/off single or two-
				stage
•				Single speed fan
				output
•				Auxiliary electric heat
		•	•	Selectable DA or RA,
				P + I modulating
				input

Features

- Control depends on room or remote air temperature
- Heating or cooling applications
- Remote temperature sensor (Except RDU50.2U)
- Operating modes: Normal, Energy Saving or Off
- Operating mode changeover input for remote control
- Selectable installation and control parameters
- Adjustable minimum limitation for cooling output
- Selectable display of room temperature or setpoint
- Fahrenheit or Celsius selectable
- Minimum and maximum setpoint limitation
- Operating voltage 24 Vac

Accessories

- ARG70 Wall Plate Adapter
- QAH11.1 Changeover/Remote Temperature
- 141-570 Lockable Thermostat Guard

Description

The RDU/RDX series room controllers are designed for heating and cooling systems, including heat pumps.



Typical Specifications

Controller shall provide heating and cooling control of room space. Controller shall have an LED display for comfort information, and remote control of energy conservation mode.

Technical Data

24 Vac + 20/-25% Operating voltage:

Control action

RDU P+I algorithm RDX On/off Frequency: 50/60 Hz Power consumption: Maximum 4 VA

Control output

terminals 1 - 6 (RDU...):

Resolution 39 mV

Effective current Maximum <u>+</u> 1 mA

Setpoint range: 41°F to 95°F (5°C to 35°C) Large, 1-1/2" diagonal LCD Display:

Output:

RDU50U, RDU50.2U 0V to 10V (can be inverted)

Floating or on/off RDU20U

RDX On/Off

Weight: 0.5 oz (0.23 kg) Color: Ivory white (cover)

Gray (base)

Ambient conditions:

Operation temp. 32°F to 122°F (0°C to 50°C)

Operation rh <95%

Transportation temp. -13°F to 140°F

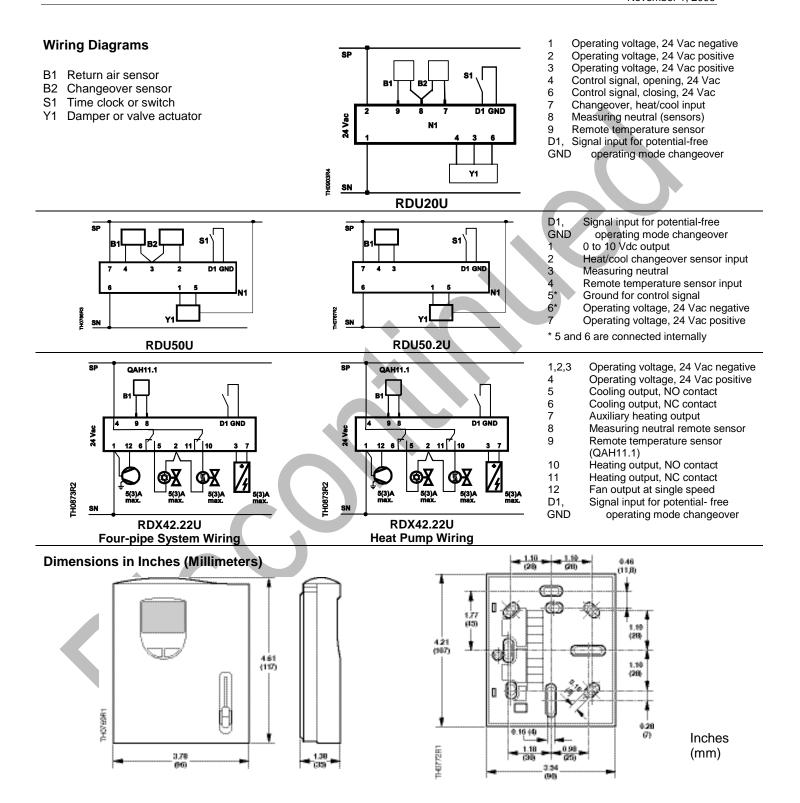
(-25°C to 60°C)

Transportation rh <95%

Wiring:

22 AWG to 14 AWG Screw terminals Agency certification: Conforms to CE

requirements NEMA 1



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