SUBMITTAL

ZONEX SYSTEMS

comfort you control

DIGICOM
Digital Communicating
Gas/Electric Thermostat

DESCRIPTION

The Zonex Systems DIGICOM is a microprocessor based, auto changeover, two-stage heat / cool digital communicating stand alone thermostat. The DIGICOM is used exclusively with the *ZonexCommander*® family of DDC systems. The DIGICOM thermostat has a large, easy-to-read LCD display with a distinctive grey backlight. Display backlight is continuously ON in the Occupied mode and goes off in the Unoccupied mode.

The DIGICOM is very easy to configure through the system program or to make manual adjustments using the buttons located on the front cover.

The DIGICOM thermostat features an onboard platinum thermistor for precise temperature measurement. In the event of power loss, the Heat and Cool setpoints are stored in a non-volatile memory, without the need for battery backup.

The space ambient temperature is continually displayed with large, easy-to-read numbers. The temperature display range is 45° to 95° F. FAN mode, Heat or Cool setpoints and operation modes are all indicated on the display.

Programmed setpoints can be manually adjusted at the thermostat or electronically locked through the software to provide limited manual setpoint adjustment. Two-hour override is provided for after-hours temporary operation with a touch of a button.

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac
Power consumption: 4 VA maximum
Input:
- 24vac
- platinum Thermistor

Output:
- triac, 24vac @ 1A

Communication: RS-485
Twisted pair or shielded twisted pair

Environmental:
Operating temperature*:* 35° to 130° F (2° to 54° C)
Operating humidity: 5-95% non-condensing
Storage temperature: 0° to 150° F (-18° to 66° C)

General:
Dimensions: 4 1/2" H x 2 7/8" W x 1" D
Range: 45° to 95 ° F.
Accuracy: +/- 0.8° F.
Memory: Non-volatile EEPROM
Display: Grey backlit LCD

Rev 2/4/10

DIGICOM DIGITAL COMMUNICATING THERMOSTAT

TERMINAL FUNCTIONS

24V Terminal Block
Y1 -   First stage cool
Y2 -   Second stage cool
W1 -   First stage heat
W2 -   Second stage heat
G -   Fan
R -   24vac power input
C -   24vac power common
18 ga. Minimum wire size

Communication Terminal Block
TX -   Data Transmit
RX -   Data Receive
TX -   Data Transmit
RX -   Data Receive
Twisted pair or shielded twisted pair

FEATURES

- Stand alone control
- 2 stage, auto changeover
- Attractive compact design
- No batteries required
- Neutral, off white color
- Accurate temperature control
- Electronic Lock feature

- Configurable fan operation for Occupied mode
- Large backlit display
- Display illuminated during Occupied mode
- Non-volatile memory: Retains temperature setpoints
- Heat pump model available
- RS-485 communication
- Function buttons on front cover for easy access

ACCESSORIES

Part No.	Description
DIGICOMC	For Celsius version add "C" to thermostat Part No.
DIGICOMRS	DIGICOM thermostat with remote sensor
WPLT	Wall Plate - when upgrading VVT and VVHC thermostats