External sensor (option)

Propotional Output for Cool(0...10Vdc)

Fan-Output 24Vac 1A

24Vac Input

		T	Y	0	To			G	C	R

ETN24-P-1S(COOL ONLY)

°F
°C
Set

Cool
Lo
ON
OFF
AUX

+
−

On/Off   °C/°F   Set

Receiver for remote control (Option)

Technician Settings:

1. Set differential for damper and offset for temperature reading.
Enter settings.
– Press and hold the **Set** button (5 seconds) - "50" will appear on display.
– Using the **(+)** button, change the number to "55".
– Press the Set button again – the word "Set" will flash on display.

Set differential for 0-10Vdc.
The temperature Differential defines the ratio between the opening level of the damper and the temperature demand.
The damper will be fully opened when the demand (demand = ambient temp – set temp) equals the differential.
(Differential range: 2°C…10°C, 4°F…+18°F)
– Press the **Set** button again – a number will appear on the display.
– Adjust the differential using the **(+)** or **(-)** buttons.

Set Offset for temperature reading.
The Offset is used for field calibration of the measured temperature if necessary.
(Offset range -3°C…+3°C, -6°F…+6°F)
– Press the **Set** button again – a number will appear on the display.
– Change the Offset for ambient temperature using the **(+)** or **(-)** buttons.
– Press the **Set** button again to return to normal display mode.

Note: If no key is pressed for 10 seconds – the thermostat will automatically return to normal display mode.

2. Lock the set temperature buttons.
Lock the thermostat's buttons to prevent any unwanted changes to the **set temperature** made by any unauthorized person.
In lock mode: the **(+)** or **(-)** buttons will not operate.
The **On/Off, C/F** and **Set** buttons will operate normally.
Enter settings.
– Press and hold the **Set** button (5 seconds) to enter settings - "50" will appear on display.
– Using the **(-)** button, change the number to "45".
Lock/Unlock the thermostat.
– Press the **Set** button again several times to switch between lock and unlock status.
   Lock – "LO" will appear on display.
   Unlock – "LO" does not appear on display.
– Wait until the display returns to normal mode.

IMPORTANT: In Lock button mode, the remote control still can be used to operate the unit.

3. Proportional output selection 0-10Vdc or 2-10Vdc
– Press and hold the **C/F** button (10 seconds) - "0" and "SET" will appear on display.
– Using the **(+)** button, change the scale to 2-10Vdc - "2" will appear on display.
– Using the **(-)** button, change the scale to 0-10Vdc - "0" will appear on display.
– Press the **C/F** button again to return to normal display mode.

4. DIP switch configuration

DIP switch S1 configuration

Internal temp. sensor (Default):	S1.1=ON, S1.2=OFF, S1.3=ON
External temp. sensor:	S1.1=OFF, S1.2=ON, S1.3=OFF

ON
1 2 3 Default

DIP switch S2 configuration

Display Room temp. and set-point temp. (Default):	S2.4=ON
Display set-point temp. only:	S2.4=OFF
(S2.1, S2.2, S2.3 – Not in use – OFF)	

ON
1 2 3 4 Default