

# Technical Data

## ECT-108 Lonwork's® Thermostat /Humidistat (8do)

Lonwork's® Product  
Profile 3300 / Profile 8060



## Description

The ECT-108 is a Lonwork's® communicating programmable thermostat that supports single-stage or multi-stage conventional or heat pump applications. Heat-cool system or Heat pump system, Changeover: Automatic or Manual, System Selection: Heat-Off-Cool-Auto-EmHt. Fan Selection On-Auto.

## Features

- Dimensions 5.63 x 3.25 x 1.51 inches , color : Beige or Light grey
- Echelon® technology
- Lonmark® compatible or customized application
- Ft-10a, 3150 processor, flash memory (32K) (Sram 1K)
- Stand alone application or Network application
- 3 buttons key pads with " BIP " on change. Up and Down adjustment, % can be program for multiple purpose
- Degree C or F selection usign % button
- Room sensor (thermistor type 10K). Option remote ( Duct or outdoor )
- Relays output 1 amp 24 Vdc (8 maximum)
- Connectors type screw type  
( 2 for network, 1 for 24 Vac, 1 per relay output )
- Onboard Humidity sensor or ( remote Cristal CCRH )
- Time clock for Network purpose with super cap power back up  
( 250 hours at 22 c )
- Installation tool Lonmaker for Window's® Cristal Nano Tool®
- Custom programmation on request



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### Applications

AHU, Rooftop, Vav control, Fan coil, Fanpak, Unit ventilator, Heat pump, Double-duct, Step Controller, and more...  
Ideal for "Hotel Energy Saving"

### Outputs

Outputs relays type maximum 8do or 1 pulse 7do relays (1 amp 24 Vac)  
Outputs Identifications as follow :  
Y1, Y2, G, W1, W2, RH, RC, O, B, CONF.

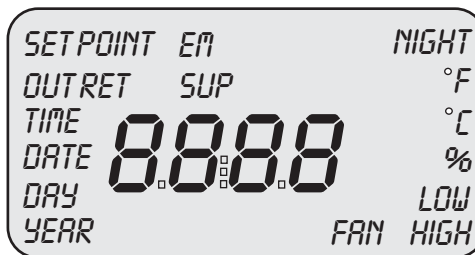
### Connections configuration

#### Inputs

- 2 connectors input for Lonwork's Network
- 1 connector for Outside 10K sensor
- 1 connector for remote Humidity sensor or adressable temperature sensor.
- 1 connector for Gnd
- 1 connector for 24 L
- 1 connector for 24 N

#### Outputs

Outputs relays type maximum 8 or 1 pulse 7 relays (1 amp 24 Vac)  
Outputs Identifications as follow :  
Y1, Y2, G, W1, W2, RH, RC, O, B, CONF.



View of display Potential

### Connexions

\* Note: Dotted redline show how to feed 24 vac to relay when needed.

