

Zio[®] Lite CLCMTR40/42 LCD and non-LCD Wall Modules

Specification Data



PRODUCT DESCRIPTION

The CLCMTR40 and CLCMTR42 are 2-wire, non-polarity sensitive, Sylk communicating wall modules, which communicate with programmable controllers.

The CLCMTR40/42 are simple temperature wall modules with basic setpoint, override, and fan options, and are designed for a broad range of applications. Models are available that include humidity and CO₂ sensing.

For more information, see also CLCMTR40/42 – Installation Instructions (EN1Z-0990GE51).

FEATURES

The CLCMTR40/42 wall modules include:

- Two-wire, polarity insensitive Sylk provides both power and communication to the device.
- Models available with display (TR42) or without display (TR40).
- Models available with or without built in humidity or CO₂ sensors.

All CLCMTR42 display wall modules include:

- Fan speed options: Auto-On, Auto-Off-On, Auto-Off-Low-Med-High (configurable using the LYNX tool)
- Override option (configurable using the LYNX tool)
- Ability for tenant to change between °F and °C
- Ability to provide tenant either a relative "warmercooler" setpoint adjustment or absolute temperature setpoint adjustment
- An installer mode with optional password protection that allows:
 - Switching between °F and °C
 - Temperature calibration
 - Humidity calibration
 - Numerical or Graphical setpoint adjustment
 - Adjustment of the Setpoint Range Limits
 - Adjustment of override time (Choose Network Time or 1-24 hours)
 - Choosing the sensor or setpoint value to be shown in the Home Screen, or choose to scroll through sensor and setpoint values.
 - Choosing between English and International icon display.

SPECIFICATIONS

Models

See Table 1 for a list of models with description.

Environmental Ratings

- Operating Temperature: 0 ... 50 °C (32 ... 122 °F)
- Shipping Temperature: -40 ... 65.5 °C (-40 ... 150 °F)
- Relative Humidity: 5% to 95% non-condensing

Accessories

50007298-001 (pack of 12) medium, cover plate; 175 x 127 mm (6-7/8 x 5 in.).

Approvals

CE; UL94-V0 plastic enclosure; FCC Part 15, Class B

Accuracy

- Temperature: ± 0.2 °C at 25 °C (± 0.36 °F at 77 °F)
- Humidity: +/-3% RH from 20...80% RH
- CO2: ± (30 ppm +3% of measured value).
- Calibrated at the factory.
- Uses automatic background calibration. No calibration required for the life of the product.
- Meets CEC Title 24 requirement of ± 75 ppm accuracy at 600 ppm and 1000 ppm ambient levels.
- For proper CO₂ operation, install only in spaces that see at least 4 hours of continuous unoccupied time per week.

Table 1. Overview of CLCMTR40/42 wall modules with Sylk

Model	Sensors	interfaces
CLCMTR40	temperature, only	none
CLCMTR40-H	temp. + humidity	
CLCMTR40-CO2	temp. + CO2	
CLCMTR40-H-CO2	temp. + hum. + CO2	
CLCMTR42	temperature, only	configurable: temp. setpt. adjustment, override, fan
CLCMTR42-H	temp. + humidity	
CLCMTR42-CO2	temp. + CO2	
CLCMTR42-H-CO2	temp. + hum. + CO2	

Communications

The wall modules use the two-wire polarity-insensitive Sylk Bus for communication with the programmable controller.

Compatibility

The CLCMTR40/42 models work with LYNX controllers manufactured after date code 1220, and work with any LYNX Micro BACnet. Be sure to use an updated LYNX tool to get the CLCMTR40/42 functional support.


Setting the Wall Module Address Dial

Every Sylk device wired to a single controller must have a unique address. The address on the wall module must match the address in the tool.

Sylk Device Capacity

For determining the maximum number of Sylk devices, including Zio Lites, please refer to the Sylk Device Capacity Calculation Tool. Sylk capacity can also be determined, and should always be verified, using the Resource Usage view in the LYNX Tool itself. Total Sylk proxy file memory, total Sylk power consumption, and total Sylk bandwidth must all fall below maximum limits.

Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

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