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:
• Override option (configurable using the LYNX tool)
• Ability for tenant to change between °F and °C
• Ability to provide tenant either a relative "warmer/cooler" 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.
• IP30 housing
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

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensors</th>
<th>interfaces</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLCMTR40</td>
<td>temperature, only</td>
<td>none</td>
</tr>
<tr>
<td>CLCMTR40-H</td>
<td>temp. + humidity</td>
<td></td>
</tr>
<tr>
<td>CLCMTR40-CO2</td>
<td>temp. + CO2</td>
<td></td>
</tr>
<tr>
<td>CLCMTR40-H-CO2</td>
<td>temp. + hum. + CO2</td>
<td></td>
</tr>
<tr>
<td>CLCMTR42</td>
<td>temperature, only</td>
<td>configurable: temp. setpt. adjustment, override, fan</td>
</tr>
<tr>
<td>CLCMTR42-H</td>
<td>temp. + humidity</td>
<td></td>
</tr>
<tr>
<td>CLCMTR42-CO2</td>
<td>temp. + CO2</td>
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</tr>
</tbody>
</table>

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.