PCD7.LR-TR40 and PCD7.LR-TR42
LCD and non-LCD Wall Modules

FEATURES

The PCD7.LR-TR4x wall modules include:
- Two wire, polarity insensitive Sylk provides both power and communication to the device.
- Models available with display (PCD7.LR-TR42) or without display (PCD7.LR-TR40).
- Models available with or without built in humidity or CO2 sensors.

All PCD7.LR-TR42 display wall modules include:
- Override option
- Ability for tenant to change between °F and °C
- Ability to provide tenant either a relative “warmercooler” setpoint adjustment or absolute temperature setpoint adjustment
- For PCD7.LRxx configurable BACnet room controllers it is possible to configure over RoomUp the following settings:
  - Switching between °F and °C
  - Allow/prohibit fanspeed selection
  - Allow/prohibit override selection
  - Numerical or Graphical setpoint adjustment
  - Allow/prohibit of cool/heat/auto selection
  - Choosing which sensor or setpoint value will be displayed
  - 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
- PCD7.LRxx-P5 programmable S-Bus room controllers has the configuration to be made via the PGS tool.

PRODUCT DESCRIPTION

The PCD7.LR-TR4x are 2-wire, non-polarity sensitive, Sylk communicating wall modules, which communicate with all PCD7.LRxx configurable BACnet room controllers and PCD7.LRxx-P5 programmable S-Bus room controllers that are enabled with Sylk.

The PCD7.LR-TR4x 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.

Note
Refer to the forms listed below for more details.
- PP31-408_ENGxx_IL_PCD7LR-TR4x-Sylk-bus
- PP31-401_ENGxx_ICI_PCD7LRxx-BACnet
**SPECIFICATIONS**

Models:
See Table 1 for a list of models with description.

Environmental Ratings:
- Operating Temperature:
  - Operating Range: 0 to 52 °C
  - Setpoint Limit: 10 to 65 °C
- Shipping Temperature: -40 to 65,5 °C
- Relative Humidity: 5% to 95% non-condensing

Approvals: CE

**Communications**
The wall modules use the two wire polarity insensitive Sylk for communication with the programmable room controller.

**Compatibility**
To use the PCD7.LR-TR4x models with PCD7.LRx configurable BACnet room controllers, PCD 7.LRxx need in minimum Firmware 1.00.3 or higher.

### Accuracy:
- Temperature: ± 0,2 °C at 25 °C
- Humidity: ±3% RH from 20 to 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. Part Descriptions**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
<th>Sensors</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCD7.LR-TR40</td>
<td>Wall Module, Temp only, Sylk</td>
<td>Temperature</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR40-H</td>
<td>Wall Module, Temp and Humidity, Sylk</td>
<td>Temp, Humidity</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR40-CO2</td>
<td>Wall Module, Temp and CO2, Sylk</td>
<td>Temp, CO2</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR40-H-CO2</td>
<td>Wall Module, Temp, Humidity, CO2, Sylk</td>
<td>Temp, Hum, CO2</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR42</td>
<td>LCD Wall Module, Temp only, Sylk</td>
<td>Temperature</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR42-H</td>
<td>LCD Wall Module, Temp and Humidity, Sylk</td>
<td>Temp, Humidity</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR42-CO2</td>
<td>LCD Wall Module, Temp and CO2, Sylk</td>
<td>Temp, CO2</td>
<td>Sylk</td>
</tr>
<tr>
<td>PCD7.LR-TR42-H-CO2</td>
<td>LCD Wall Module, Temp, Humidity, CO2, Sylk</td>
<td>Temp, Hum, CO2</td>
<td>Sylk</td>
</tr>
</tbody>
</table>

**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 control logic.

**Sylk Device Capacity**
For the PCD7. LRxx configurable BACnet room controllers it can only be connect 1 wall module to the controller.
For the PCD7. LRxx-P5 programmable S-Bus room controller please refer to the manual “27-653 ENGxx PCD7.LRxx-P5”.

**Trademark Information**
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