

Installation Manual

IM 1255-2

Group: **Controls**
Part Number: **IM 1255**
Date: **February 2020**

Daikin System Manager Quick Start Guide

Use with Daikin Intelligent Systems®

Installer Responsibilities

The installation of this equipment shall be in accordance with the regulations of authorities having jurisdiction and all applicable codes. It is the responsibility of the installer to determine and follow the applicable codes.

Receiving Inspection

When the device is received, all items should be carefully checked against the bill of lading to be sure all packages have been received.

Inspect the system manager for any shipping damage. Report all shipping damage to the carrier and file a claim.

Included Items

- A. System Manager
 - B. System Manager display bracket
 - C. 4 × screws and 4 × 10mm standoffs for VESA mounting
 - D. 120AC-12VDC adapter with screw lug power connector
- **Wall-mounting screws and anchors are not included

Required Tools

- Screwdriver
- Controls screwdriver

Figure 1: Included Items



A.



B.



C.



D.

Installation

The System Manager shall be located in a conditioned space that is easily accessible. Allow for space around the system manager for air flow circulation to reject heat. The VESA mounts on the display bracket allows the System Manager to be attached to the back of the monitor via VESA mounting screws. The display bracket can also be mounted on a wall, with the monitor attached to the front.

1. The display bracket comes attached to the System Manager.
2. Fasten wall mounting screws and anchors into a wall, leaving space to attach the display bracket. Slide the display bracket mounting holes onto the screws and fasten. It is recommended that at least one screw should be mounted in a wall stud.

NOTE: The wall mounting screws and anchors are not included.

3. Connect power supply cable (barrel screw connector to System Manager).
5. Connect the BACnet MS/TP twisted pair wire to the BACnet® MS/TP terminal maintaining polarity throughout the daisy-chain.
6. The Intelligent Systems automatically starts when the System Manager has power; once the BACnet MS/TP network is connected the system will run appropriately. Refer to OM 1254 for user operation and system configuration.

BACnet Module LED Sequencing

The BACnet Module LEDs will go through a particular sequence on power-up and when the Intelligent Systems Application starts. These sequences occur when the BACnet MS/TP network isn't connected, but showing the BACnet Module working appropriately.

On Power-Up

1. All LEDs are ON.
2. **LED D1** is OFF immediately after power, then short pulse about every 4 seconds. This is a request to the Intelligent Systems computer to send configuration data to the BACnet module. The other 3 LEDs remain ON until the BACnet module is configured by the Intelligent Systems Application.

On Intelligent Systems Application Start-Up

1. **LED D2** short pulse indicating Intelligent Systems Application is sending configuration data to the BACnet module.
2. **LED D3** starts fast flicker as the BACnet module is now sending Poll for Master (PFM) requests to the BACnet network.
3. **LED D4** remains ON steady indicating no network traffic is received.
4. **LED D2** flickers about every 8 seconds as Intelligent Systems sends Who-IS requests to wake up devices that may connect to the MS/TP network.