



PRODUCT: BCS BASYX MC1 /MC2 Modular Classroom Controller

Product Overview

The BASYX MC1 & BASYX MC2 are controllers specifically designed to control modular classroom units. The unit replaces the existing thermostat and is powered from the 24vac transformer in the HVAC unit. The MC1 package includes one (1) integral room temperature sensor, one (1) supply air temperature sensor and one (1) supply fan current switch. The MC2 Includes one (1) integral room temperature/humidity sensor, one (1) supply air temperature sensor and one (1) supply fan current switch.

The MC communicates via our wireless data bus, and requires our MCI integrator panel for system operation. In addition, one (1) wireless bridge may be required for each cluster of modular units. When using the integrator panel, the system is maintained and monitored through a Windows based interface program, providing total system interrogation, programming and report generation through a direct connection, modem connection or intranet/internet interface module.



Features

- Utilizes the standard BASYX RFW programmable system controller.
- Provides full access through direct USB connection or system wireless data bus from MCI Integrator.
- Complete control of system heating and air conditioning equipment.
- Integral Room temperature sensor or Room Temperature/Humidity combination sensor.
- Supply air temperature sensor for system monitoring.
- Fan status current switch.
- Program integrity through battery backed-up RAM – Retains system programming with power off.
- System total configuration of 256 controllers.
- Wireless network length of up to 4000+ feet with 900MHz long range modem and antenna.
- 24vac power reduces installation cost.
- Complete logic and global capabilities.

Specifications

Communication:	IEEE 802.15.4 Wireless 2.4 Ghz bus up to 300' indoor between controllers or EIA RS-485 at 57.6K baud on 18AWG shielded, plenum rated cable (Recommended Belden 6300FE or equivalent)
Power Requirements:	Voltage: 24VAC (-10% / 5%), 50/60/Hz Current: 3.2VA Recommend 7VA transformer sizing for AC power
Ports:	RS-485 communications bus USB direct connect communications port
Environmental Limits:	Temperature: 32°F to 125°F. Humidity (non-condensing): 95%
UL Listing:	ANSI/UL 916
Enclosure:	Nema 1 screw cover
Dimensions:	12.0"W x 12.0"H x 4.0"D
Shipping Weight:	Approx 10.0 lbs.

