



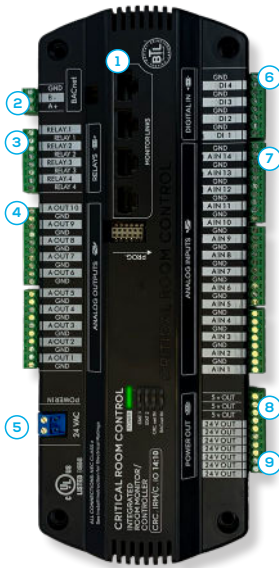
IRM-MV7

The IRM-MV7 environmental monitor displays temperature, humidity, air quality, and other key room parameters to ensure safe and optimal conditions. It offers real-time monitoring, configurable alarms, and a user-friendly interface to help maintain a healthy environment.

The Integrated Room Environmental Monitor solution consists of the following components:

- Environmental Monitor
- Enclosure with I/O Board
- Optional Accessories: Displays (up to 3 additional) and Room Pressure (up to 3 additional)

IRM-MV7



DIS-MV07 SPECIFICATIONS

Dimensions	9 x 5.375 x 1.5 in
Input Power	Supplied by I/O board via Cat6 cable
Cable Length	Up to 200 ft shielded Cat6 cable per display Up to 500 ft shielded Cat6 total for all connected displays
Operating Temperature	50 to 95 °F (10 to 35 °C)
Operating Humidity	0 to 95 % RH, non-condensing
Resolution	WVGA RGB 480 x 800 px
Display Type	Resistive touch

ENC-WBA SPECIFICATIONS

Material of Construction	ABS Plastic
Flame Rating	UL94 HB
NEMA Rating	1

I/O BOARD SPECIFICATIONS

Dimensions	10.25 x 4 x 1.25 in
Input Power	24 VAC \pm 10 %, 50/60 Hz, maximum 30 VA, Class 2
Onboard Power	5 @ 24 VDC (200 mA total max.) 3 @ 5 VDC (100 mA total max.)
Operating Temperature	32 to 158 °F (0 to 70 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Operating Humidity	10 to 70 % RH, non-condensing
Storage Humidity	10 to 70 % RH, non-condensing
Communication Protocol	BACnet® MS/TP (BTL - listed/tested)
Connectors	14 – 26 AWG wire
Listing	UL 916, C-UL, BTL
Manufactured Under	ISO 13485-2003

COMPONENTS

1 4 Display ports	6 4 Digital inputs (normally closed)
2 BACnet® MS/TP	7 14 Analog inputs (configurable 0 to 10 VDC)
3 4 Relays (normally closed, 2 A @ 30 VDC)	8 5 VDC power to sensors
4 10 Analog outputs (configurable 0 to 10 VDC)	9 24 VDC power to sensors
5 24 VAC power in	

IRM-MV7

DIS-MV07 Dimensions

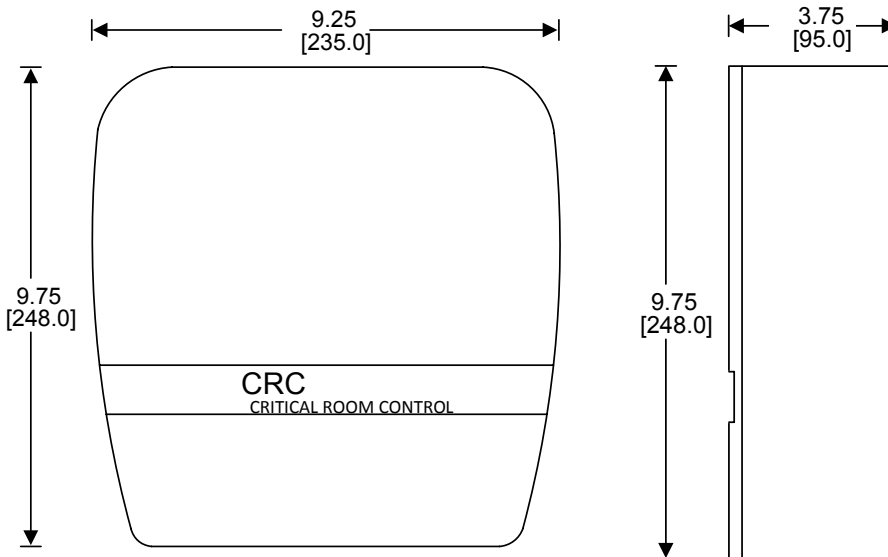
Front View



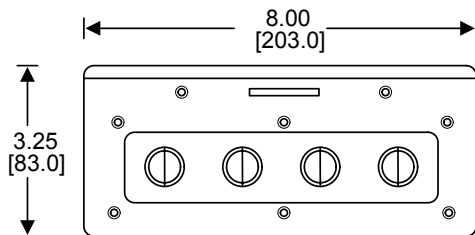
ENC-WBA Dimensions

Front View

Side View



Bottom View



Key

[BRACKETS] = MILLIMETERS (mm)

NO BRACKETS = INCHES (in)