



CONTROLLER SERIES

Wi-fi Sedona Controller

BM-CW-14P

14 POINTS



SPECIFICATION

- First DATOS-BM controller based on Wi-Fi Technology
- 8xUI
- 4xAO (voltage)
- 2xRelay DO
- 1xRS485
- 2xEthernet 10/100 BaseT port
- Support Wifi 802.11 b/g/n
- Support Sedona VM
- Support SOX, TCOM, BM-CW-P2P
- BACnet Client IP/MSTP (5 devices)
- BACnet IP server
- SQLite (10 tables x 20 columns x 500 records)
- Email
- Dashboard (Freeboard)

The BM-CW-14P is a new breed, high performance, freely programmable, wireless Wi-Fi Sedona controller. It has never been easier to extend your BMS because of its wireless possibilities. You will save on labor and wiring. The BM-CW-14P is a perfect fit for vertical markets such as commercial buildings schools and retail, to have extended IO for the BM-CW-series controllers, without any downtime during installation as the network can be wireless. It's ideal for all kind of applications such as fan coils, AHU's, room and stand-alone applications, featuring SOX, TCOM, BM-CW-P2P and BACnet communication protocols.

The BM-CW-14P can be programmed and live commissioned via free Programming Tools and an integrated HTML5 dashboard. It has BACnet IP server/client, a BACnet MSTP client (combination of BACnet MSTP client and BACnet IP client up to five devices total) and two Ethernet ports for daisy chain connection wiring. Wired and wireless deployment is encouraged, so there is no need to worry about IT. The BM-CW-14P includes 8xUI (voltage and resistance), 4 x AO (Voltage) and 2 x DO with 24vAC volt free contact relays. For oating control, the optional BM-CR-02 module is available to add to the BM-CW-14P.



TECHNICAL SPECIFICATION

BM-CW-14P

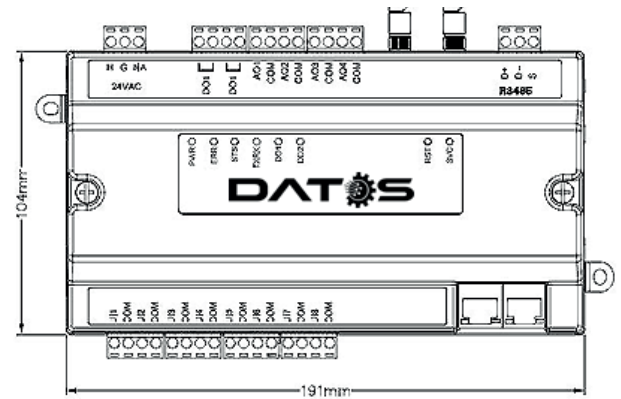
Power Supply	24vAC +/- 5% or 24v DC +20%/-15%
Consumption	500 mA
Operating temp	0 to 65 °C (32 to 150 °F)
Storage temp	-20 to 65 °C (-4 to 150 °F)
Operating humidity	10% to 70% relative humidity non-condensing
Dimensions	191 x 104 x 44 mm (L x W x H)
Material	UL Approved Plastic
Weight	410g
Inputs & Outputs:	
Universal input	8xUI 12-Bit ADC (with PGA) Voltage: 0 ~ 10V DC (+/- 0,05V) Resistance input: 500 ohms to 500K ohms (+/-10 Ohm) Thermistor Sensor: 20K, 10K Shunt, 1K Balco, 1K Platinum. All (+/- 0.1 °C) UI as DI: Voltage Free Contact
Digital output	2xDO (with LED's for status) Type: Relay Contacts, SPST NO, Pilot duty: 24vAC, 2.0A 24vDC, 2.0A
Analogue output	4xAO 12-Bit DAC Voltage: 0~10V, Minimum Impedance 10k Ohms
Communication:	
Physical Interface 1 (Port 1)	EIA-485 Two-wire, Half Duplex
BACnet Baud Rate:	Speed: (9.6K, 19.2k, 38.4K) Data Bit: (8 bits), Parity: (None)
WiFi	WIFI (802.11b/g/n)
Ethernet	2xEthernet Ports 10/100M
Ethernet/WiFi Support	IP, TCP, UDP, ICMP, HTTP, FTP
Application Support	Sedona, BACnet MSTP Client, BACnet IP Server/Client and TCOM



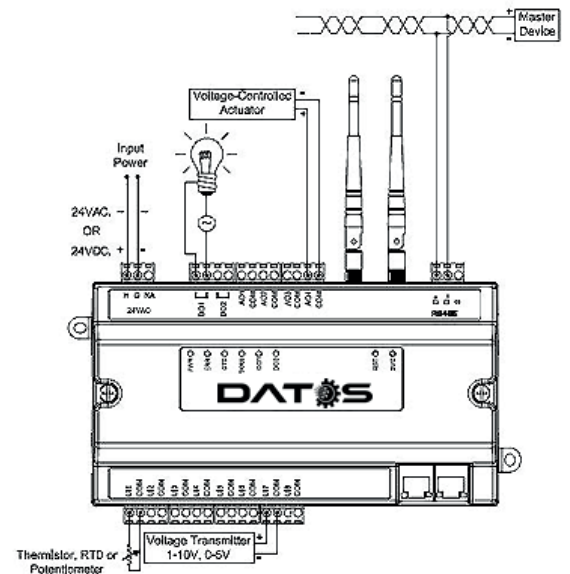
The BM-CW-14P comes with one standard RS485 driver to support BACnet MSTP client. The BM-CW-14P also comes with two Ethernet Ports to program the Sedona Application, TCOM, BM-CW-P2P, BACnet and for web configurations.

The concept behind the BM-CW series is that the BM-CW-14P is a free programmable controller that perfectly fits in a network of controllers, or stand-alone because of its own real-time clock. The available resources inside the controller are not limited to the 14xI/O so you will be surprised by its high power.

Dimensions



Wiring Diagram



Linux

sedona
FRAMEWORK™



ASHRAE BACnet™



CANADA:

351 FERRIER STREET, UNIT 5
MARKHAM, ONTARIO L3R 5Z2,
CANADA.
TEL: 416-410-6865
FAX: 1-866-331-3341

USA:

171 COOPER AVENUE, SITE 110
TONAWANDA, NY 14150 USA.
LOCAL: 1-716-877-7277
FAX: 1-866-331-3341

MIDDLE EAST:

P O BOX NO 126312 OFFICE
SUITE 106, OXFORD TOWER
BUSINESS BAY, DUBAI, UAE
TEL: +971 4 565 7672