

DATASHEET

Weesion W10 series

A NEW PERSPECTIVE OF ROOM CONTROL

www.weesion.eu

W10 series are small communication enabled (BACnet MS/TP or Modbus RTU) multifunctional fan coil or chilled beam remote I/O controllers, developed for **intelligent room control applications and BMS integration**. No other unnecessary control boxes or cables are required in the installation. All modules are equipped with USB-C connection for communication settings.

W10U

Power supply **230Vac or USB-C** (only for testing and settings reasons), **1x analog output** for **EC fan control**, **2x digital outputs** ON/OFF (230Vac, 24Vac, 24Vdc) and **2 x analog outputs** for valve (or VAV box) control, **24Vdc output** for use with digital outputs or as a **power supply for external devices**, temperature sensor input **PT1000**, digital input, analog input **0-10V** (CO2 or other sensors), **BACnet MS/TP or Modbus RTU** communication.

For more information refer to the Instruction manual.

W10T

Power supply **230Vac or USB-C** (only for testing and settings reasons), **3 speed fan control**, **1x analog output** for EC fan control or VAV box control, **2x digital output** ON/OFF (230Vac, 24Vac, 24Vdc) for valve control, **24Vdc output** for use with digital outputs or as a **power supply of external devices**, temperature sensor input **PT1000**, digital input, analog input **0-10V** (CO2 or other sensors), **BACnet MS/TP or Modbus RTU** communication.

For more information refer to the Instruction manual.

W10X

Power supply **230Vac or USB-C** (only for testing and settings reasons), **3 speed fan control**, **2x digital output** for ON/OFF (230Vac, 24Vac, 24Vdc) valve control, **1x analog output 0-10V** for EC fan or valve control, **24Vdc output** for use with digital outputs or as a **power supply of external devices**, temperature sensor input **PT1000**, digital input, analog input **0-10V** (CO2 or other sensors), **BACnet MS/TP or Modbus RTU** communication.

For more information refer to the Instruction manual.

W10U – Mini & W10T-Mini CONFIG

Controllers without 24Vdc power supply and related outputs for simpler applications. **EC fan or 3-speed control**, **2x digital output** for ON/OFF (230Vac, 24Vac, 24Vdc) valve control, temperature sensor input **PT1000**, digital input, **BACnet MS/TP or Modbus RTU** communication.

For more information refer to the Instruction manual.

W10 – CUSTOM

For customizing modules or the number of inputs / outputs according to your application, do not hesitate to contact us on our website.

Dimensions	X=105mm, Y=145mm, Z=40mm
Power supply	90-240Vac 50/60Hz or USB-C
Power consumption	<2W
Operating temperature	0 to 50 °C
Operating humidity	5 to 75% RH non-condensing
Temperature sensor input	PT1000 thermistor
Temperature sensor resolution	0.1°C (0.1F)
Digital outputs	triac max. 3A, switching 230Vac, 24Vdc, *24Vac
Digital inputs	Dry contact across terminals I and com, potential free
Analog outputs	0-10Vdc
Communication	RS485 - BacNet MSTP or Modbus/RTU
Protection class	IP43 or IP20
Terminal sizing	wire cross section up to 1,5mm ²

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Follow safe electrical work practices. See all applicable local codes.

Read and understand the instructions before installing the product. Follow the instructions during installation.

Installation, wiring, testing or service must be performed only by qualified persons in accordance with all applicable codes and regulations.

Do not use the product for life or safety applications.

Do not install the product in hazardous or classified locations.

Do not exceed the product's ratings or maximum limits.

The product may use multiple voltage/power sources.

Turn off ALL power supplying equipment before working on or inside the equipment.

Use a properly rated voltage sensing device to confirm that all power is off.

Do NOT depend on the product for voltage indication.

Products rated only for basic insulation must be installed on insulated conductors.

Remove all wire scraps and tools, replace all doors, covers and protective devices before powering the equipment.

Failure to follow these instructions will result in death or serious injury.



ALL RELATED DOCUMENTS AND CERTIFICATES YOU CAN FIND ON OUR WEBSITE www.weesion.eu

Weesion APP

Weesion mobile APP Room – replacement of old wired thermostats. Simply scan QR code in your office or room and the thermostat appears in the APP.

Weesion mobile APP Facility – simply scan the QR code on devices or technologies such as air handling units, boilers, pumps, lighting or blind systems. All relevant operating data will then be displayed in the application, enabling their monitoring and control.

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