



Blue Connect Module



Take control of your sanitary ware with CELEC's smart Blue Connect module. Connected sanitary ware offers improved hygiene and experience in washrooms whilst optimising maintenance and management of your efficiency. Installation data, alerts and remote commands are available via smartphone for point to point access and PC for network wide access to all installations.

The module can be controlled by the Blue Connect App which works on both Android and iOS, on smartphones as well as tablets. It can also communicate with a Gateway to connect to a local area network (LAN) or wide area network (WAN).

Advantages

- Monitor data to
 - Identify installation problems and anomalies
 - Anticipate maintenance interventions
 - Optimise cleaning schedules depending on affluence
 - Record the water consumption of your sanitary ware installations
- Shut-off installations remotely for cleaning or maintenance purposes
- Log data to
 - Verify respect of hygiene procedures
 - Track anti-legionella and bacteria rinse cycles
- Optional flow rate and temperature sensors
 - Monitor actual water consumption for leak detection and solenoid valve maintenance
 - Monitor actual water temperature for anti-scalding protection and legionella control
- Alerts for battery replacement and maintenance
- Wireless low energy communication protocol for operation with batteries
- Download statistics

Applications



Kitchen faucet



Bathroom faucet



Shower



WC



Urinal



Soap dispenser

Characteristics

Operating voltage 4-12VDC

Average consumption ≈ 100 µA

Communication frequency 2.4GHz

Status LED Green / Red

Connectors Waterproof IP67 (adapters available on request)

Software update Over the air

Material compatibility Celec sensor, solenoid valve, temperature probe, flow meter as well as CELEC approved pumps and motors. Check with CELEC for compatibility with non-CELEC components.

Operating temperature 0° to +50°C

Storage temperature -20° to +70°C

Europe Certification RED 2014/53/EU directive compliance

USA Certification

THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC ID: 2AVPG-MCX

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Also, some specific recommendations for exposure to magnetic fields must be followed: this equipment complies with FCC's radiation exposure limits set forth an uncontrolled environment under the following conditions:

1- This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiating antenna and user's nearby person's body at all times.

2 - This transmitter must be co-located or operating in conjunction with any other antenna or transmitter.

Memory capacity 4Mb

Temperature probe type NTC

Power source Batteries or power supply

Protection IPx5



Installation

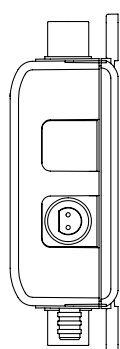
Make the connections to the Blue Connect module in the following order. The first 3 steps of the installation process are optional and depend on the installation's configuration (e.g. if neither flow meter nor temperature probe are used then step 2 connection is not required).

- 1/ Connect the sensor connectors to the top of the module above the sensor logo (optional).
- 2/ Connect the flow meter and temperature modules on the side of the module (optional).
- 3/ Connect the solenoid valve to the connector under the water droplet logo (optional).
- 4/ Connect the power source to the connector under the electricity logo.
- 5/ Screw into the fixing lugs to hold the Blue Connect in place.

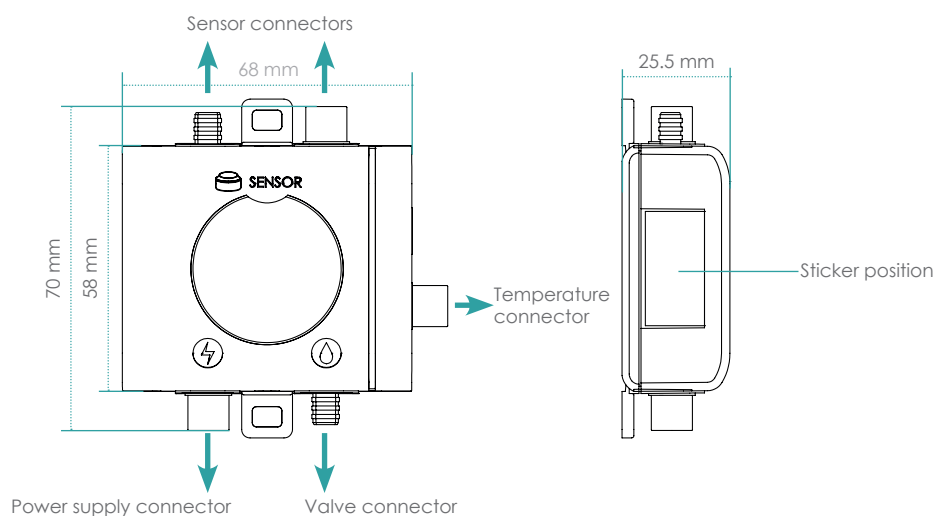
If the module needs to be disconnected for any reason, carry out the above steps in reverse order.

Dimensions

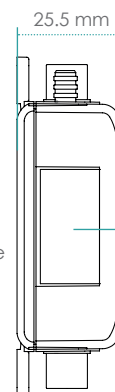
Right view



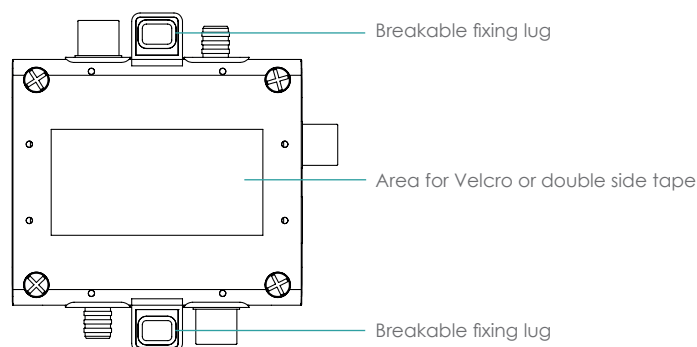
Front view



Left view



Rear view





Associated products

IR Sensors



Integrated multifunction
IR sensor

CBS 146



Compact Background
Suppression sensor

Solenoid valve



6V latching solenoid valve

Micro valve



6V latching solenoid valve

Temperature probe



RI020



6 AA battery holder

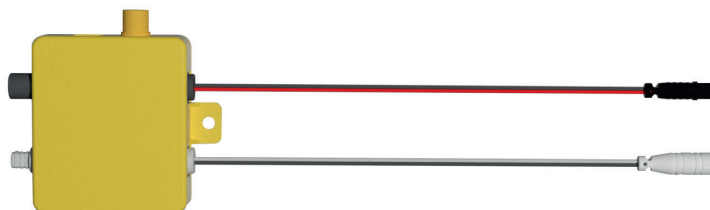
Power supply



Power supply 6V 1A



Module Bluetooth



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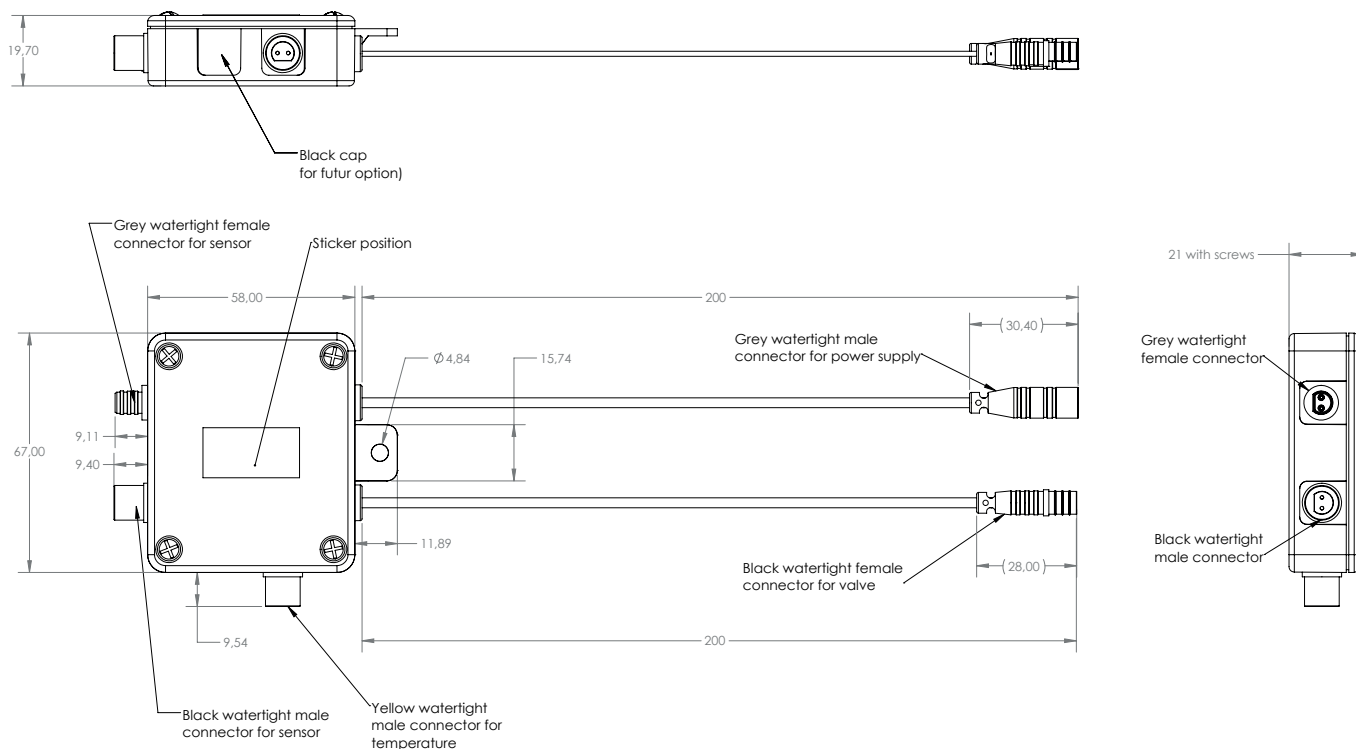
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WARNING:

Make sure to connect the Blue Connect module in the right order
Incorrect connection can damage the Blue Connect Module

Dimensions





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