

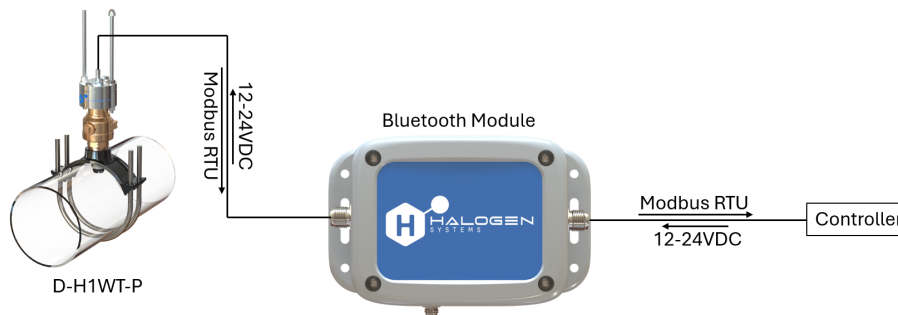
Halogen Systems Bluetooth SmartBox Module with Battery Saver

Overview

The Bluetooth Module (BT SmartBox) provides a Bluetooth and Mobile App for integration of the MP5/6 Sensors into a either a 1) a third-party IoT Modem or 2) Integration with a Controller System. While Modbus communication allows display of sensor parameters on a third-party device, the BT Module enables a mobile app for additional functionality.

THIRD PARTY CONTROLLER INTEGRATION

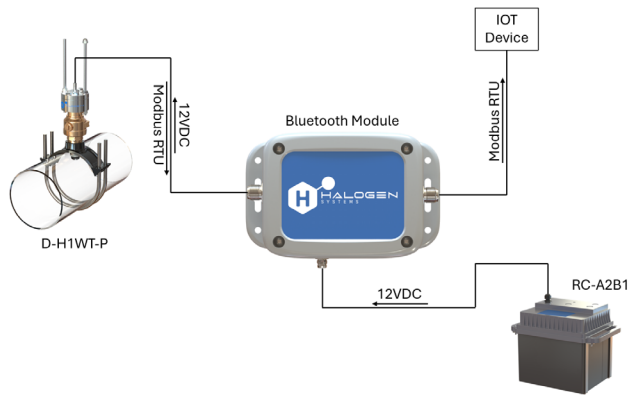
This enables local calibration and troubleshooting using the Halogen Mobile App for easy integration with a third-party Controller. The Controller can display all parameters via the Modbus interface. Calibration and diagnostics are displayed on the mobile app to simplify the work of integration. The BT SmartBox is installed easily between the MP5 Sensor and the Controller.



- An onboard SD card allows for future firmware updates application directly to the sensor.
- Power is supplied from the third-party controller
- Waterproof IP68 Enclosure

IOT INTEGRATION REMOTE POWER CYCLE

This option enables integration with third party IoT devices without affecting their battery life. Power is supplied from a separate battery and a low power setting for the MP5 sensor via a mobile app.



- Power Saving option (jumper setting, remove) will disconnect power to the MP5 sensor to extend battery life up to 6 months
- Intermittent measurements may be configured in the Mobile App to extend battery life.
- A 3 Pin M8 Connector connects the BT Module to a battery package.
- Modbus communications with the IoT device uploads all sensor data.
- A “Measure Now” command initiates and measurement to synchronize grab sample measurements.
- Magnetic switch to turn on Bluetooth for one hour, when activated.

OPTIONAL BATTERY MODULE

- 30 AH Rechargeable LiFePO4 Battery enclosure (battery not included)
- IP68 Housing for battery with M8-3 Connector
- M8-3 Cable

Order information

BASE PACKAGE

Bluetooth Module with Power Cycle (BTPC)

CONNECTION PACKAGES

Third Party Controller

Cable for connecting BTPC to a controller (M12 4 conductor)

Third Party IoT

Cable for connecting BTPC to an IOT (M12-3)

Cable for battery to BTPC (M8-3)

IP68 Enclosure for 50AH Battery