

Water-on-Demand

WIRELESS INFRARED SENSOR(S) & RECEIVER FOR AT201

The system is designed to switch an Aquatrip AT201 system on and off wirelessly.

An **Aquatrip AT201** is plumbed into a bathroom block and battery-operated wireless sensors are placed around the bathroom. When a user walks into the bathroom the sensor communicates with the receiver and automatically switches the Aquatrip back on if it was switched off as a result of detecting a leak.

- The **wireless sensor** (PIR or passive infrared sensor) detects the presence of a person or other warm objects as they move into the field of view.
- The **sensors communicate wirelessly** with the receiver.
- Each **sensor is battery powered** making installation exceptionally simple.
- The **wireless receiver** requires a standard mains power source.

Many installations will feature multiple sensors and receivers and for this reason the sensors and receivers have channels that can be set so that only the desired sensor is received by a receiver. There are 64 channels available. Multiple sensors can be set to the same channel, in which case they will both be received by a receiver set to that channel.



Specifications of Wireless Infrared (PIR) Sensor (Water-on-Demand)

- Detection method: **Passive Infrared, motion sensitive**
- Detection **range: 5m**
- Power source: **3*AAA alkaline cells**
- Dimensions (**ceiling mount**): 110mm (L) 110mm (W) 42mm (H)
- Dimensions (**wall mount**): 110mm (L) 110mm (W) 66mm (H)
- Transmission **frequency: 868MHz** ISM band
- Battery Current consumption: (sensing, no transmission) **<30uA**
- Channel settings: **64 channels** available

Specifications of the Wireless Receiver Unit (for the AT201)

- Power source: **9-30VDC polarity protected**
- Overall **size**: 115mm (L) 60mm (W) 23mm (H)
- Reception **frequency: 868MHz** ISM band
- Current consumption: **<100mA**
- Channel settings: **64 channels** available

An innovative solution to reducing water use in restrooms

