

### WHAT DOES THE PRODUCT DO?

The FlowControl from Envirotech uses passive infrared (PIR) sensors to open valves to WC areas whenever somebody comes to use them. This ensures that water is only supplied when required, therefore preventing minor water leaks from accumulating into large amounts of waste water.

### HOW DOES IT WORK?

A PIR sensor detects changes in the amount of infrared radiation, which varies depending on the temperature and surface characteristics of an object in front of it.

When an object, such as a human passes in front of a different background (such as a wall) the temperature at that point in the sensor's field of view will rise. The sensor converts the resulting change into an output voltage, and this triggers the detection. When the PIR is linked to solenoid valves installed on the incoming water supplies, water can only flow when the WC area is occupied.

### SUMMARY OF FEATURES

- Meets the requirements of BREEAM WAT03.
- Available in 230VAC and low volt 12VDC versions.
- More than 1 PIR can be connected to a single valve.
- An infinite number of low volt valves can be run from a single PIR (requires a valve interface box, available from Envirotech Alarms).
- Up to 3 solenoid valves (230VAC) can be run from 1 PIR.

### PIR Sensors:

Surface Mount



Flush Mount



### Valves:



Solenoid latching valve

### Typical Configuration

