WS1151 FAQ

The outdoor sensors were reporting data but they've dropped out, why?

Dropouts can occur for a number of reasons. The most common is that the outdoor sensors are too far away from the indoor console. The WS1151 has a wireless range of 100m line of sight. This means that with nothing in the way, and no interference, it will communicate 100m. Walls, windows, trees, shrubs and roofs etc will all diminish the wireless signal. As a general rule, for each wall between the outdoor and indoor components, the signal transmission distance is cut in half. i.e. with 1 wall you'd expect a wireless range of 50m, but with 3 walls you'd expect a range of 12.5m.

Further to this, other electronic devices such as TVs, computers, cordless phones, and other wireless devices can have an even greater effect on transmission range. As a general rule try to get your console at least 3m away from any electronic devices.

How can I get the outdoor and indoor components to start communicating again?

To start, move the outdoor and indoor components to within 5m of each other. Then remove the batteries from both the indoor and outdoor parts. Wait 10 minutes. Then reinsert the batteries into the outdoor part and then the indoor console being careful not to touch the screen. Leave until the outdoor readings start to show up on the console. Mount temporarily in proposed new location, and once happy, mount permanently.

I just brought the outdoor parts inside and put them next to each other and they're not reading the same. Why not?

The outdoor sensors can take up to 15 minutes to respond to big changes in temperature or humidity. To compare the indoor and outdoor components it is recommended to leave both components next to each other in a temperature stable area and leave for as long as possible. For the best accuracy they should be left to acclimate for at least 1 hour. Keep in mind that if the accuracy of both sensors is +/-1C then the two thermometers can differ by 2C and still be within specification.

Can the WS1151 connect to a computer?

No, the WS1151 does not have a computer connection.

Why does my WS1151 keep forecasting rain that never ends up happening?

The WS1151 uses changes in barometric for its forecasting. If you live in an area that has very variable barometric pressure then you will need to adjust the default forecast setting from 3hPa to 4hPa. This means that the barometric pressure will need to change by 4hPa before the unit will forecast a change in weather.

The outdoor sensor is giving readings which are much higher than expected, why?

When measuring outdoor temperature it is important to ensure that the outdoor sensor is in a shaded location. If it is in direct sunlight, the sensor will heat up above the ambient temperature and will report higher readings. Similarly local heat sources can also cause higher temperatures such as exhaust fans, or even large bodies of concrete, asphalt or rocks. To remedy the issue, move the sensor to a shaded area which has good air flow.

What batteries does the WS1151 need and how often should I replace them?

The WS1151 requires 3 x AA Alkalines for the indoor display and 2 x AAA Alkalines for the outdoor sensor. If the device is being used in a very cold environment then Li ion batteries would be recommended. The batteries should be replaced approximately once a year. If you notice the screen is getting dull, or some of the readings seem off then it is worth replacing the batteries.