Dolphin Blue

INFRARED SYSTEMS IMPORTANT DESIGN TIPS
**DO’s**

**BATTERY BACK UP**
DO include a battery back-up device when installing a transformer powered infrared tap/soap dispenser in an accessible washroom.

**SECURITY TIME**
DO ensure security time is set at approximately 20 seconds on infrared taps/soap dispenser especially in locations susceptible to vandalism. Also important: to be set at 20 seconds to comply with ECA/WTL scheme.

**FLOW RATE**
DO specify what flow rate is required when placing your order.

- Taps – 6 litre / minute is standard. 4 litre / minute is readily available.
- Shower head – 9 litres/ minute is standard, 8 litres / minute is available.

Please speak to the Dolphin Technical Helpline for other flow rates if required.

**PRESSURE**
DO ensure the static and dynamic pressure at the Dolphin Blue device is within the tolerances stated on the product literature / data sheet (please ask if you cannot find it). Most devices are tested to operate between 0.5 and 8 bar. If pressures are outside the stated tolerances please contact the Technical Helpline on 01424 20 22 24.

**FILTERS**
Do ensure filters supplied with the Dolphin Blue device are installed. It may not be sufficient to rely on the filters often included with thermostatic mixing valves as the gauge of the filter mesh may not be fine enough. It is also important to ensure pipes are flushed prior to connection and filters are inspected on a regular basis. Time between inspections will depend on hardness and quality of water.

**DISTANCE FROM TRANSFORMER**
It is recommended you ensure the maximum distance between a Dolphin Blue Infrared Tap/Soap dispenser and its power source is 5 metres.
DON'Ts

MIRRORS

It is not advisable to locate a Dolphin Blue Infrared device directly opposite a mirror where the infrared eye faces the mirror in such a way that it could reflect itself as this can cause false activations even if the mirror is 2-4 metres away from the infrared eye.

TWO INFRARED DEVICES

It is not advisable to locate infrared taps/soap dispensers directly opposite each other where the infrared eyes face each other as this can also cause false activations even when there is a fair distance between them.

PANEL MOUNTED INFRARED DEVICES

It is very important to ensure the distance between the sensor and the bottom of basin when installing a panel mounted Dolphin Blue taps/soap dispensers with an integral sensor is a minimum of 300mm above the bottom of the basin.

POLISHED TRAPS AND SINK SURFACES

When installing a Dolphin Blue panel mounted tap/soap dispenser with an integral sensor it is recommended that you avoid a highly polished chrome trap or sink surface – it will act like a mirror to the tap sensor, potentially causing false activations and wasted water.

TIPs

HIGH VISIBILITY CLOTHING

It is a feature of most infrared devices in the washroom market that the reflective strips on high visibility clothing may cause the device to operate, even if someone just walks past, with no intention of using it.

The DB51 Dolphin Blue Remote Control can be used to reduce the range of a device to reduce these false activations but may not eliminate the phenomena completely.

‘TALL’ VERSION TAPS AND SPOUT LENGTHS

Consider the position of the water outlet / aerator in relation to the basin.

Please feel free to discuss spout lengths with the Dolphin Technical Helpline on 01424 20 22 24.
It’s a Dolphin thing