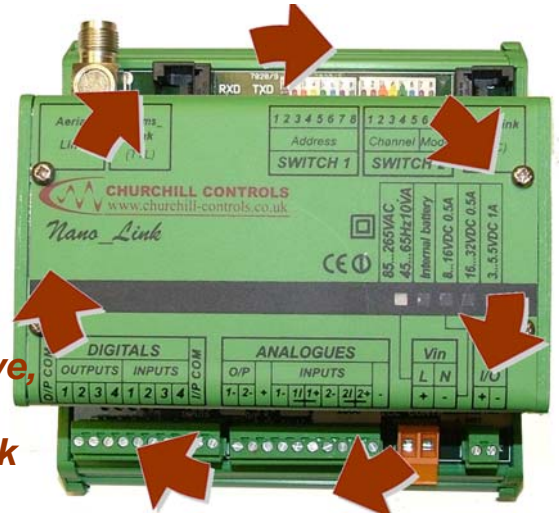


Now Available Nano_Link with integral rotation sensor

European legislation specifies that all waste water treatment plants are monitored to minimise pollution due to equipment failures. Many small unmanned sites use rotating filter beds to treat the water. These rely on a rotating arm to distribute the water evenly over a circular bed. The arm is usually powered by the water pressure. If it stops rotating for any reason the filtering will become ineffective so there is a risk of polluting the watercourse into which the plant discharges.

This Nano_Link knows when it's on the move, it's fitted with a directional sensor and the software generates an alarm if the Nano_Link becomes stationary



Need to know if this stops?

The rotation sensor is a sensitive electronic compass that measures the direction in which the arm is pointing. *Nano_Link* processes the data from the sensor and calculates from it the time per revolution. The rotation speed will vary with the rate of flow through the filter, but changes in speed will normally happen relatively slowly. Every half revolution the *Nano_Link* re-calculates the speed. If the arm slows to less than one fifth of its previous speed *Nano_Link* assumes it has stopped and transmits an alarm. When movement resumes the alarm is cleared.