HYDROTECHNIK
UK LIMITED

Watchlog Wireless Signal Extension Module
HT-AR

- Extends & enhances wireless sensor signals up to 800m further

- Helps signals communicate around obstacles

- Improves wireless signal strength & stability

PROCESS PLANT

HYDRAULIC JACKING

MOBILE HYDRAULICS

INDUSTRIAL HYDRAULICS

Discover more at www.hydrotechnik.co.uk/watchlog

Watchlog Wireless Signal Extension Module

HT-AR

The HT-AR is a repeater which allows the Watchlog wireless sensor signals to span around obstacles, increase range of transmisson and coverage by re-transmitting received messages from existing Watchlog wireless sensor transmitters.

The data sent by HT-AR modules can be received by Watchlog base station signal receivers and computer interfaces. Receivers support common industrial power supplies and are available in robust IP rated enclosures with internal antennas optimised to give outstanding coverage.

The HT-AR is housed in an IP67 rated enclosure which accepts two D batteries as well as an external power supply. The repeater enables messages to be repeated once so therefore extends the achievable wireless range. Adding further repeaters to the system will increase coverage but will not further increase the range.

Watchlog is a modular wireless telemetary sensor system primarily for pressure, temperature, flow & level sensors. High accuracy, high quality measurement is interfaced with simple yet powerful configuration, monitoring & logging software.

TECHNICAL SPECIFICATION	
Battery life	"D" cell batteries can be permanently activated for up to 240 hours
Internal batteries (D cells)	2.1 to 3.6 Vdc
External power supply	5 to 18 Vdc
Radio type	License exempt transciever
Radio frequency	2.4 GHz
Transmit power	10 mW
Radio range	Up to 800 m

ENVIRONMENTAL	
Operating temperature range	-20 to 55°C
Storage temperature range (no batteries)	-40 to 85°C
Maximum humidity	95% non-condensing
IP rating (ACM and ACMi)	IP67/Nema 4

MECHANICAL DIMENSIONS

164 mm
Mounting Holes Ø4.5mm
50 mm
57mm height
84 mm
148 mm
Mounting Holes Ø4.5mm