Hanwell | ellab

RL4809 transmitter
Pro RL4800 Series

Part of the Hanwell RL4800 series of radio transmitters, the RL4809 is a dual channel transmitter with 2 x 4-20mA input for use internally or externally.

Features

✓ 2 x 4-20mA input for pump, machine, level and door alerts
✓ 50,000 data readings per channel & up to 18 months battery life
✓ Superior performance hardware & high accuracy sensors
✓ Easily accessible battery
✓ Low power radio for long distance transmission (3km over open ground)
✓ Complies with RoHS, EU & WEEE directives
✓ Carries CE Marking

Typical Applications

• Level measurement
• Door open/close alerts
• Machine on/off alerts

Always ask for a long-range signal strength test.

We can prove ours to be unrivalled.

Pump

Machine

Level

Door

Airflow

Product code: RL4809-434.075 (other frequencies are available)

Technical specification

Dimensions	110 x 80 x 35mm
Weight	200 grams
Power supply	3.6V AA Lithium battery
Cable length	3m with bare ends (as shown in image)
Case material	ABS & PC
Memory capacity	50,000 readings (unit will wrap when full)
Clock accuracy (logging)	20 ppm @ 25°C
Instrument operating range	-20°C to +65°C (non-condensing RH environment)
Storage Temperature	-40°C to +60°C
IP Rating	IP30

Input

Input	Dual channel 4 to 20mA
Input impedance	100 ohms
Measuring frequency	Every transmit/log interval
Transmit interval	User programmable 30s-300s
Resolution	0.02mA
Accuracy	+/-1%

Radio transmitter functions

Frequency options	A range of frequencies are available between 433-458MHz. Country specific regulations apply.
Radio power	10mW
Radio range	3km over open ground
Battery life	Up to 18 months (dependent on conditions of use and instrument settings)
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Software compatibility	**EMS** - All Versions **Synergy** - All Versions **RadioLog 8**
Hardware required	SR2 – Smart Receiver REP – Repeater

Accessories

88706	AA 3.6V Lithium battery

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