

# REP01PU Repeater

## Pro standard repeater



Part of the **Hanwell Pro** wireless series, the REP01PU is our standard repeater for use in tough areas where obstacles and wall materials create reduced transmission for Hanwell Pro transmitters.

### Features

- ✓ Extended range by 3km over open ground
- ✓ IP30 rated
- ✓ Can be used in conjunction with internal receivers and external transmitters to make jumps between buildings
- ✓ Superior performance hardware
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

### Typical Applications

- Extending range across long distance sites
- Reception/transmission to and from shielded areas

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: REP01PU-434.075 (other frequencies are available)

### Instrumentation specification

Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	300 grams
Power supply	12v plug top power supply
Case material	ABS & PC
Instrument operating temperature range	-20°C to +60°C (non-condensing RH environment)
Instrument operating humidity range	0% to 95% (non-condensing RH environment)
Storage temperature	-20°C to 35°C
IP rating	IP30
Power consumption	0.6 Watts

### Radio transceiver functions

Fixed frequency modules	A range of frequencies are available between 433-458 MHz. Country specific regulations apply.
Radio power	10mW
Radio range	3km over open ground
Battery life	Rechargeable battery for use only during mains failure (12 hours maximum back up)
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Hardware required	CR3 – Controller SR2 – Smart Receiver
Reaction time at receiver unit	< 5 seconds

Manufactured by Hanwell | Ellab RoHS

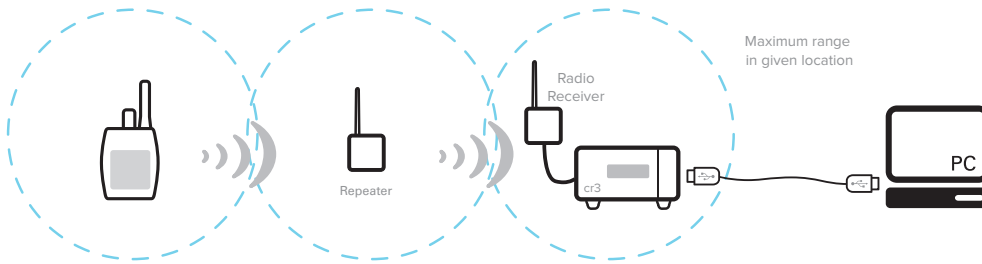
Version 2 - EC190194

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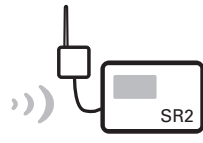
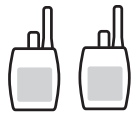
Tel: +44 (0)1462 688070 | Email: sales@hanwell.com

### Schematic - CR3



### Schematic - SR2

**Local Site**  
One or more SR2's on a main site connected via LAN points

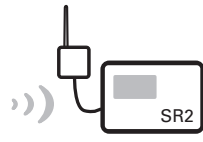


LAN



**Network Server**  
Collects data from all SR2's and is interrogated by Network Users

**Remote Site**  
One or more SR2's from remote sites via LAN or WAN, for example, off-site

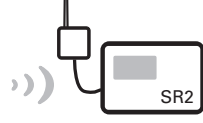


LAN  
or WAN



**Network User**  
For example, main system administrator

**Local Site**  
One or more SR2's on a main site connected via LAN points



LAN



**Network User**  
For example, someone needing weekly reports

**Network User**  
For example, QA

**One system can comprise up to 16 separate sites but all data is treated the same way**