

# REP04PU Repeater

## Pro repeater with remote receiver



Part of the **Hanwell Pro** wireless series, the REP04PU is our repeater with remote receiver for use to jump between buildings.

### Features

- ✓ Extended range by 3km over open ground
- ✓ IP65 rated (Power supply and connectors not designed for outside use)
- ✓ Superior performance hardware
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

### Typical Applications

- Extending range across long distance sites
- Frequency shifting
- Reception/transmission to and from shielded areas
- Making radio jumps between buildings

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: REP04PU-434.075 (other frequencies are available)

Instrumentation specification	
Dimension (Excl. ancillaries)	197 x 106 x 35mm
Weight	600 grams
Power supply	External 12v D/C
Case material	ABS & PC
Instrument operating temperature range	-20°C to +60°C (non condensing environment for transmitter)
Instrument operating humidity range	0% to 95%
Storage temperature	-20°C to 35°C
IP rating	IP65 (Power supply and connectors not designed for outside use)
Rx/Tx Interconnecting cable	2 metres

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
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Reaction time at receiver unit	< 5 seconds

Manufactured by Hanwell | Ellab RoHS

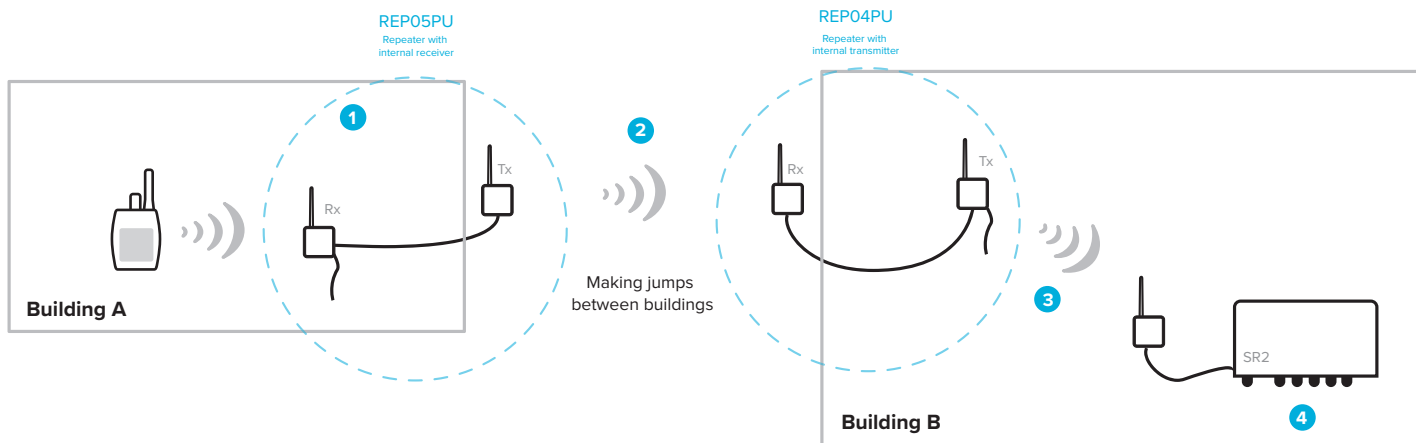
Version 2 - EC190194

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hanwell.com

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

Schematic



**Building A** - Repeater with internal receiver and external transmitter

1. Repeater sends signal to repeater in Building B
2. Up to 3 km in line of sight

**Building B** - Building with external receiver and repeater with internal transmitter

3. Repeater sends signal to SR2 base station
4. SR2 receiving signal from repeater and other sensors in Building B