

# TelePulse *Low Power*

*wireless pulse transfer system*

## **Introduction**

The Microtrol TelePulse system places those awkwardly situated pulses just where you need them. Using wireless technology, TelePulse regenerates your pulses, without loss, a few hundred metres from their source. No need for long cable runs or civil engineering work. A single pair of units will transmit eight sets of pulses up to 350 metres. Multiple systems can be used in the same vicinity and the range can be extended by the use of repeaters. Whether its building to building, across roads and car parks or to and from continuously moving machinery, TelePulse is the answer.



## **The Principle**

The TelePulse LP is a battery operated module capable of counting two sets of pulses and transmitting them over the standard TelePulse network to a pulse regenerator or ModBus receiver. Pulse totals are transmitted at pre-defined intervals (min. 10 seconds), provided that the pulse count has changed. The module may be set up to send forced transmissions in the event that no pulses are received. TelePulse LP has a battery life in excess of 5 years and offers most of the standard Telepulse features. The unit is supplied with a ¼ wave whip antenna for extended range.

## **The Facts**

- Save time and money on cabling and installation
- Easy to install
- No planning regulations
- Re-configurable via radio link
- Very convenient for both long and short-term monitoring



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# Specifications

## Product Features

Wireless system utilising the 434Mhz licence exempt radio band to transfer pulse signals.

- Range up to 350 metres in one 'hop'
- Extend range by 'hopping' between units or dedicated repeater modules
- Compact, IP65 rated enclosure with self sealing cable entry
- Standard unit supplied with internal aerial
- External 'whip' antenna option available for extended transmission range
- Individually configurable pulse signals
- Configurable via PC using radio link

## Low Power Input Module

- 2 channels
- Volt free contact inputs
- Selectable debounce

## Configurable Parameters

- Group Number 1 - 99
- Address 1 - 199
- Send Interval (SI) 10 - 1250sec
- Forced Send Interval 0 - 250 x SI
- Transmission Path Max. 5 'hops'
- Pulse Debounce 0 - 2.5sec

## Electrical Information

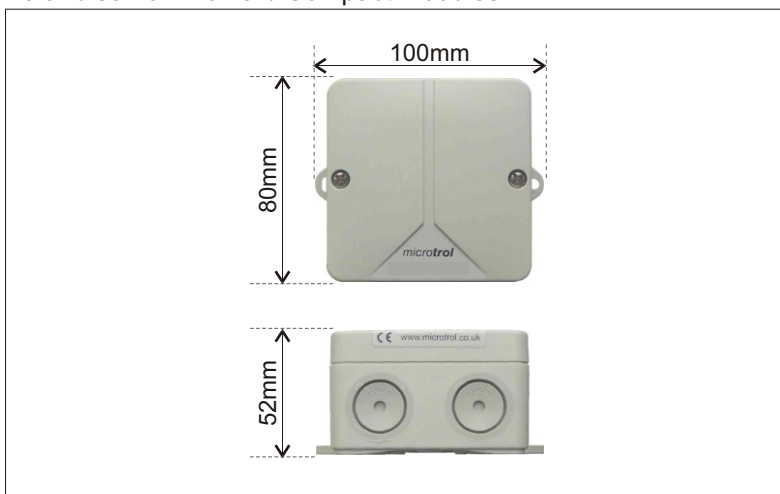
- Power Supply 3.6V lithium battery (included)
- Battery Life >5 years
- Tx Power 10mW

## Available 'Compact' Modules

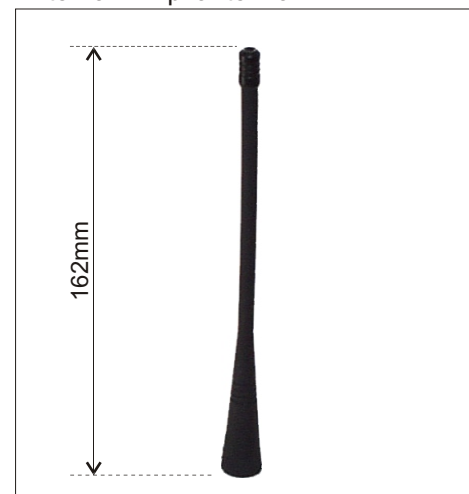
- Low Power 2 channel input
- Compact 2 channel input
- Compact Repeater

## Dimensions

TelePulse Low Power / Compact Modules



External 'whip' antenna



Note: Due to our policy of continuous development, all features and specifications are subject to change without notice.

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