

TelePulse

Modbus

wireless signal transfer system

Introduction

The Microtrol TelePulse system places those awkwardly situated signals just where you need them. Using wireless technology, TelePulse regenerates your analogue, digital and pulse signals a few hundred metres from their source. No need for long cable runs or civil engineering work. A single pair of units will transmit signals 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

A TelePulse 'Modbus' module can be configured to behave like 2 or 8 individual receiver units of any type, with one small difference. Instead of directly outputting the appropriate signal, the information is stored internally. This is then made available via a hard-wired link using the industry standard 'Modbus RTU' protocol, for direct connection to a PC or logging system.

The Facts

- Save time and money on cabling and installation
- Easy to install
- No planning regulations
- Remote aerial module allows optimum placement for radio transmission and reception
- Ideal for SCADA applications

MODBUS® is a registered trademark of Gould Inc.

microtrol

Specifications

Product Features

Wireless system utilising the 434Mhz licence exempt radio band to transfer signal information.

- Range up to 350 metres in one 'hop'
- Extend range by 'hopping' between units or dedicated repeater modules
- Small footprint, din-rail mount enclosure
- Compact, IP65 rated, remotely mounted aerials
- Configurable from PC via Modbus link
- 'Confidence' registers and output to indicate recent good communication

Modbus Receiver Module

- 2 or 8 psuedo receivers
- Individually configurable

Configurable Parameters

- Group Number 1 - 99
- For each receiver
 - Unit Address 1 - 199
 - Unit Type
 - Confidence Timeout 60 - 2500sec
 - Unit Parameters Type dependent

Active Aerial

- IP65 rated enclosure
- Self sealing cable entry
- Can be mounted up to 25 metres from a TelePulse module
- One aerial can be shared by up to 4 TelePulse modules using an 'Aerial Concentrator'

Electrical Information

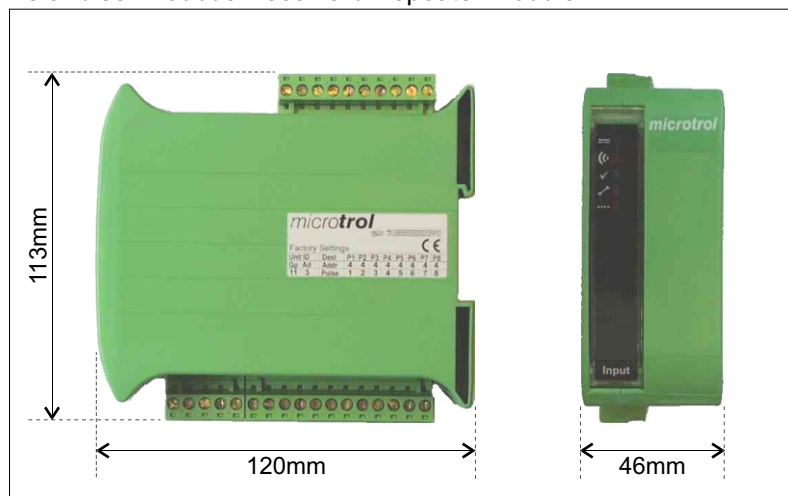
- Power Supply 8-20V DC
- Consumption Max. 0.5VA @ 12V
- Serial link RS232 or RS485
- Tx Power 10mW

Available Modules

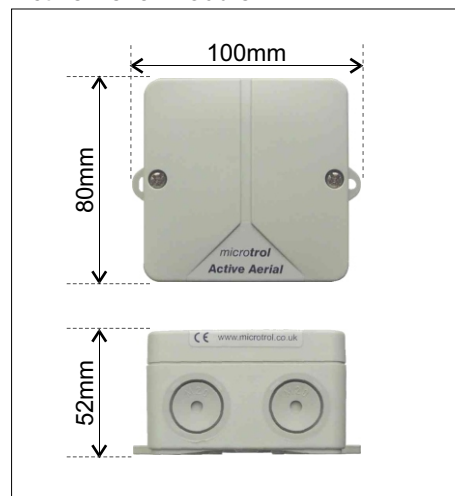
- 2 receiver module
- 8 receiver module
- Active aerial
- Repeater
- Aerial concentrator

Dimensions

TelePulse Modbus Receiver / Repeater Module



Active Aerial Module



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

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