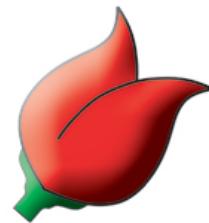


## Features

- **Embedded Controller Module**
  - Dual High Speed Microprocessors
  - Industrially Isolated RS-422 Communications
  - Diagnostic RS-232 Communications
- **Embedded UHF Receiver Modules**
  - Dual UHF Receiver Modules (Double Shielded)
  - Integrated Zone-0 Barriers (AusEx 3402X)
  - Up to 32 programmable channels
  - Microprocessor Controlled
- **Operates -10°C to +85°C**
  - All industrial components
- **Heavy Duty Enclosure**
  - Electros Nickel Plated
  - Rugged Construction

## Description

The LOLH6 Industrial Dual Receiver Module is of the Obelix genus which can dynamically support either simultaneous remote control via two separate controllers or provide diversity reception for one remote control.



### Obelix

Industrial Dual Receiver Module  
Type LOLH06



## Pempek Systems

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## Typical Applications

- Continuous Bolter/Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Any industrial communications application

## Ordering Information

Part Number	Description
LOLH0601	Industrial Dual Receiver Module (DBT Shearer Composite)
LOLH0602	Industrial Dual Receiver Module (DBT Shearer Standalone)
LOLH0603	Industrial Dual Receiver Module (Generic)
HOLH0201	Connector Assembly A50 (2.2 metres)

## Interface Description

The Type LOLH06 Dual Receiver Module utilizes industrial connectors that are unique when configured for use with the Obelix Control System via type, gender or keying physically preventing improper installation.

## Wiring Assignments

Connector A50 Burndy Female 8 Way		
PIN	Description	Signal
A50-A	Supply Input	24VDC Supply Input
A50-B	Supply Input	0VDC Supply Input
A50-C	RS-422 RXD Positive	Communications
A50-D	RS-422 RXD Negative	Communications
A50-E	RS-422 TXD Positive	Communications
A50-F	RS-422 TXD Negative	Communications
A50-G	RS-232 TXD <sup>1</sup>	Communications
A50-H	RS-232 RXD	Communications

<sup>1</sup> A50-B (0VDC) is common.



## Electrical Characteristics

Supply
Voltage
Wattage

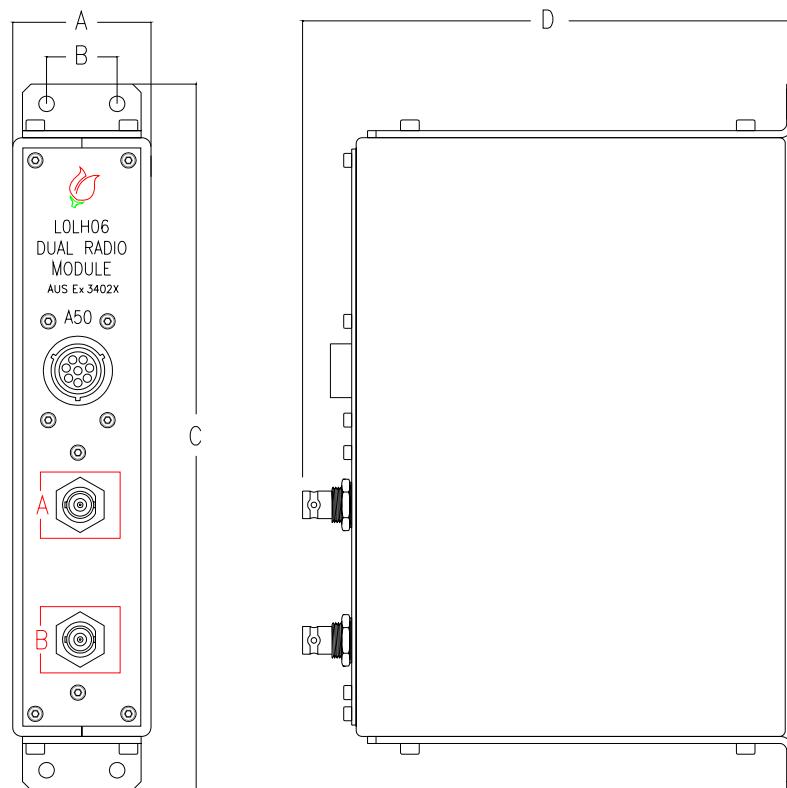
Communications
Interface
Throughput
Protocol(s)
Medium

Environmental
Operating Temperature
Humidity
MTBF

<sup>2</sup> L0LH0603 protocol is generic.



# Mechanical Characteristics



Dimension	Measurement	Description
A	50	Width
B	25	Mounting Centre Width
C	250	Height
D	175	Depth

## Notes

- All dimensions are in millimetres.

## Material

- Enclosure is Electroless nickel plated mild steel.
- Facia is stainless steel.
- Mounting brackets are stainless steel.

## Fasteners

- M5 x 10mm x 4
- M4 x 10mm x 8
- M3 x 10mm x 10

## Mass

- 2.5kg (5.5lb)