

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**
 - Electro Nickel Plated
 - Rugged Construction

Description

The L0LH6 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 L0LH06



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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
L0LH0601	Industrial Dual Receiver Module (DBT Shearer Composite)
L0LH0602	Industrial Dual Receiver Module (DBT Shearer Standalone)
L0LH0603	Industrial Dual Receiver Module (Generic)
H0LH0201	Connector Assembly A50 (2.2 metres)

Interface Description

The Type L0LH06 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 ¹	Communications
A50-H	RS-232 RXD	Communications

¹ A50-B (0VDC) is common.



Electrical Characteristics

Supply	
Voltage	24VDC
Wattage	6W

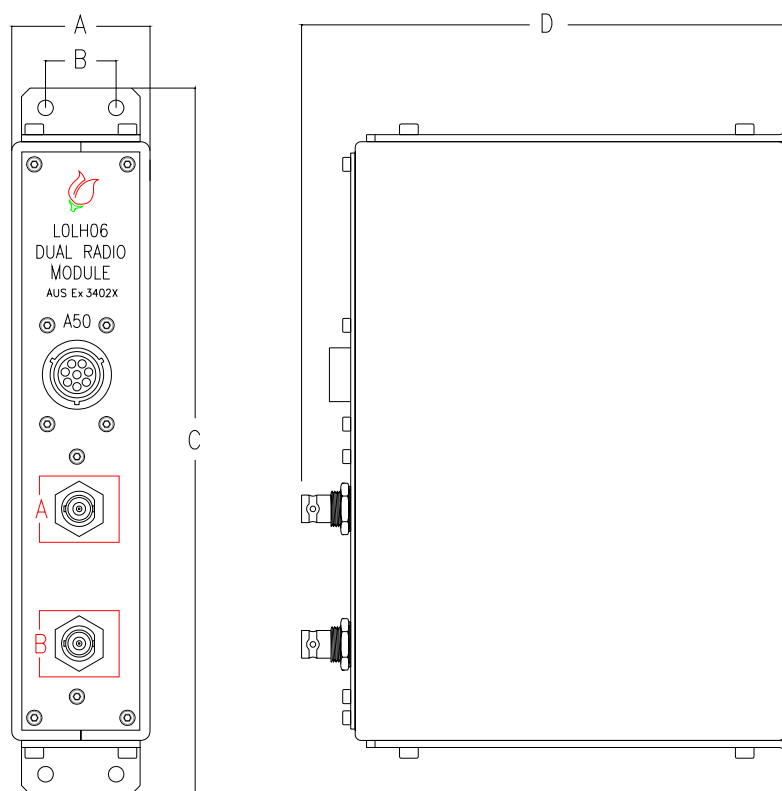
Communications	
Interface	RS-422 Isolated
Throughput	Up to 115,200Kbs
Protocol(s)	Message Oriented ²
Medium	Copper

Environmental	
Operating Temperature	Minus 10°C to +85°C
Humidity	T.B.A.
MTBF	12,000 hours

² LOLH0603 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)