

Features

- **Flame Proof Enclosure**
 - Precision Machined Mild Steel
 - Ex id Approved Aus Ex 3186
- **Embedded Industrial Display Module**
 - Large two row seven segment display
 - Highly viewable at distance
- **CAN 2.0B Network**
 - Supports CAN 2.0B
 - Supports RS-422 as an option
- **Operates -10°C to +65°C**
 - All industrial components
- **Heavy Duty Enclosure**
 - Electroless Nickel Plated
 - Ingress protection to IP67 ('O' ringed)
 - Rugged Construction

Description

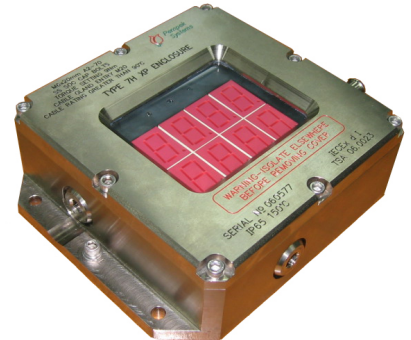
The Type L07H Display Module is an industrial flame proof display module designed for remote viewing purposes. Utilizing large seven segment LED displays, the L07H provides clear viewing from distance where remote operation is required.

Most typically, information will be in numerical format which relates to its most common application for methane percentage readouts. However, numerous words and/or codes can be displayed on demand.



Obelix

Flame Proof Display Module
Type L07H



Pempek Systems

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Typical Applications

- Continuous Miners / Bolters
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Shuttle Cars
- Any Ex id display application

Ordering Information

Part Number	Description
L07H0101	Explosion Proof LED Display Module

Interface Description

The Type L07H Display Module can only be interfaced via approved explosion proof glands. Internal termination is via terminal strip.



Wiring Assignments

Internal Terminal Block 10-Way		
PIN	Description	Signal
1	0VDC	Supply Input
2	24VDC	Supply Input
3	Termination Link (If End-of-Line)	Link
4	Termination Link (If End-of-Line)	Link
5	CAN Low	Communications
6	CAN High	Communications
7	RS-422 TXD Positive	Communications
8	RS-422 TXD Negative	Communications
9	RS-422 RXD Positive	Communications
10	RS-422 RXD Negative	Communications

Electrical Characteristics

Supply	
Voltage	24VDC
Power Consumption	2.5W typical
Maximum Dissipation	30W

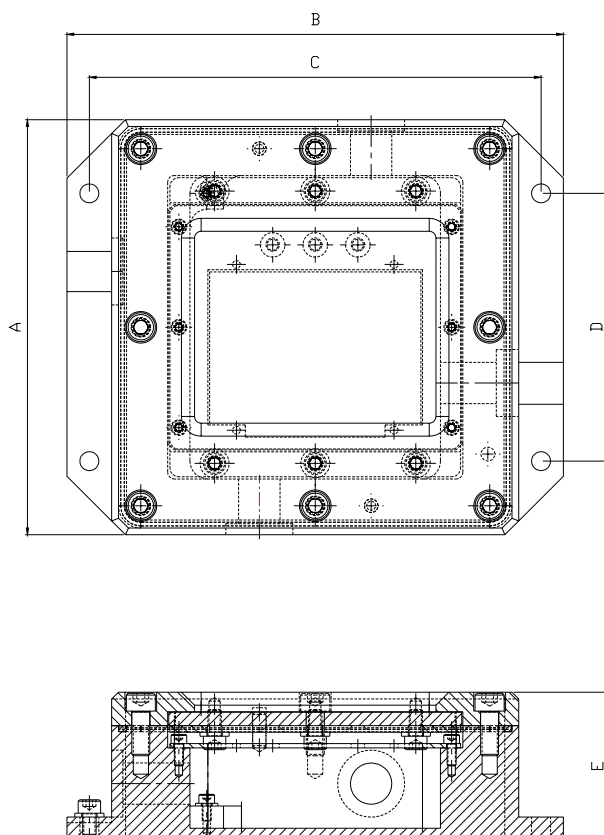
Communications	
Interface	CAN
Throughput	500KBits
Protocol	CAN 2.0B (Message Oriented)
Medium	Copper
Interface	RS-422
Throughput	57.6KBits
Protocol	Packet Oriented
Medium	Copper

Environmental	
Ingress Protection	IP65
Operating Temperature	Minus 10°C to +85°C
Humidity	Tested to 85%
MTBF	12,000 hours

Certification	
Australia	AUS Ex 3186
Europe	-
USA	-



Mechanical Characteristics



Dimension	Measurement	Description
A	186	Height
B	222	Width
C	202	Mounting Centre Width
D	120	Mounting Centre Height
E	66	Depth

Notes

- All dimensions are in millimetres.

Material

- Enclosure is Electroless nickel plated mild steel.
- Lense is Toughened Glass.

Gland Entries

- 4 x M20

Fasteners

- M8 x 20mm x 12

Mass

- 12.5kg (27.5lb)