## L0L90301 Obelix Power Supply Module 110VAC 24VDC C-FORM (NC) A-Form (NO) Relay

The LOL9 Obelix Mining PLC Power Supply combines a mining-duty industrial 24-volt D.C. power supply with a pair of relay outputs.

The power supply takes a 110-volt A.C. input and provides stable 24-volt D.C. output (up to 75 watts) for supplying other control system modules.

An industry-standard CAN (Controller Area Network) connection is used to allow a host PLC to control the two relay outputs and read module status.

The LOL9 model supports one C-Form relay (NO/ NC) and one A-Form relay (NO).

Relay contacts are rated for 110-volt A.C. switching of inductive loads up to 8-Amperes.



## **Specifications**

- PLC Family: Obelix
- Module Type: Power Supply + Relay Outputs
- Supply Input: 110VAC (+/- 15%) / 80 Watts
- Supply Output: 24VDC / 75 Watts (Max)
- **Data Communications:** Obelix CAN (A5/A2)
- **Operating Temperature:** -20°C to 70°C
- Inputs: None
- Outputs: 2 x Relay Contacts (110V / 8A)
- Output 1: Pilot Relay C-Form (NC)
- Output 2: Stop Relay A-Form (NO)
- **Connector 1:** Obelix A5 (24VDC Output + CAN Bus)
- Connector 2: Obelix A6 (110VAC Input + Relay Outputs)

### **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

#### Mass

2.5kg (5.5lb)

## **Typical Applications**

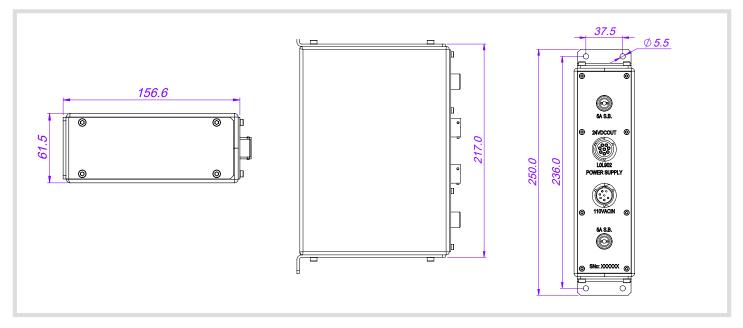
- Continuous Bolter/Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports
- **Remote Control Scoops**
- **Remote Control Loaders**
- Any industrial power supply application

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Dimensions (mm)

### **CONNECTOR Obelix A6**

Number	Burndy Female 8 Way	Signal
A6-A	Supply Output	24VDC Supply Output
А6-В	Supply Output	0VDC Supply Output
A6-C	CAN (Positive)	Communications
A6-D	CAN (Positive)	Communications
A6-E	CAN (Negative)	Communications
A6-F	CAN (Negative)	Communications
A6-G	Termination Link 1 – 1	Termination Link Input
A6-H	Termination Link 1 – 2	Termination Link Input

### **CONNECTOR Obelix A5**

Number	Burndy Male 8 Way	Signal
A5-A	110VAC Active Supply Input	110VAC Active Input
А5-В	110VAC Neutral Supply Input	110VAC Neutral Input
A5-C	Pilot Relay Input	110VAC Input
A5-D	Pliot Relay Output (Normally Closed)	110VAC Output
А5-Е	Pliot Relay Output (Normally Open)	110VAC Output
A5-F	Control Relay Input	110VAC Input
A5-G	Control Relay Output (Normally Open/Closed)	110VAC Output
А5-Н	Control Relay Reference	110VAC Neutral

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# L0L90301 Obelix Power Supply Module 110VAC 24VDC C-FORM (NO/NC) A-FORM Relay (NC)

## **Connector Assembly**

Part Number	Description
H0L90101	Connector Assembly A6
H0L90201	Connector Assembly A5

### **Specifications**

- Product Type: Pre-manufactured cable assembly
- **Construction:** Connector with flying leads (pigtail)
- H0L90101 Connector 1: Obelix A6 Female Plug (8-pin)
- H0L90201 Connector 1: Obelix A5 Male Plug (8-pin)
- Connector 2: Unterminated, flying leads
- Conductors: 8
- Cable Length: 2.2 m
- Pin Type: Female (Gold-plated)
- Conductor Type: PVDF Tinned Stranded Wire •
- Insulation Rating: 600 volts
- Temperature Rating: -65°C to 105°C
- Recommended Tools: PVDF / Teflon Insulation Stripping Tool

Cable options can vary depending on customer requirements.

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