The LOR30201 Pempek OBP Mining PLC Inputs Module features a collection of various input monitoring resources in a compact form factor that is well suited to mobile mining applications.

The industry-standard CAN (Controller Area Network) connection provides a host PLC with the ability to control and monitor all I/O resources.

The LOR30201 model features:

- Uniquely Keyed Type B connectors to prevent incorrect machine installation
- 12 x Digital Inputs (24 VDC)
- 8 x Digital Inputs (110 VAC)
- 24 x Analog Inputs (4 -20 mA)
- 4 x Frequency Counter Inputs (5 kHZ Maximum')

Module Type: Multi-purpose Inputs Module

Supply Input 1: 24VDC (+/- 10%) / 3 Watts (Max) Data

Data Communications: Pempek OBP CAN (A2)

Operating Temperature: -20°C to 70°C

Inputs 1: 12 x Digital Inputs (24VDC)

Inputs 2: 8 x Digital Inputs (110VAC)

Inputs 3: 24 x Analog Inputs (4-20 mA)

Inputs 4: 4 x Frequency Counter Inputs (5 kHz Max)

Connector 1: Pempek OBP CAN (A2)

Connector 2: Pempek OBP B47 (Inputs)



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Typical Applications

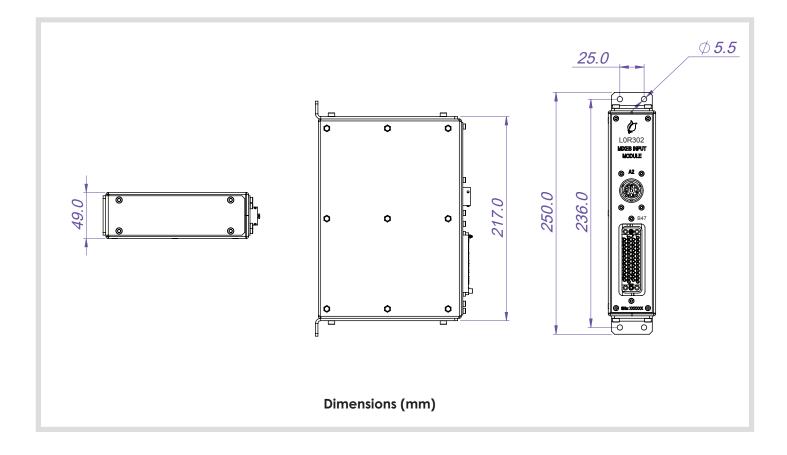
- Continuous Bolter/Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof SupportsRemote Control Scoops
- Remote Control Loaders
- Any industrial switching application

Datasheet-LOR30201

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LOR30201 Pempek OBP Mixed Inputs Module (110V/24V/4-20mA) Type B



CONNECTOR A2

PIN	Connector A2 Burndy Female 8 Way	Signal
A2-A	Supply Input	24VDC Supply Input
A2-B	Supply Input	0VDC Supply Input
A2-C	CAN A (Positive)	Communications
A2-D	CAN A (Positive)	Communications
A2-E	CAN A (Negative)	Communications
A2-F	CAN A (Negative)	Communications
A2-G	Termination Link 1 - 1	Termination Link Input
A2-H	Termination Link 1 - 2	Termination Link Input

Datasheet-LOR30201

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LOR30201 Pempek OBP Mixed Inputs Module (110V/24V/4-20mA) Type B

CONNECTOR B47

CONNECTOR B47			
PIN	Connector B47 Female Board Mount No.	Name	
A	1	MODULE-SEL-1	
В	2	24V Input Supply	
C	3	0VDC	
D	4	Quadrature Encoder A-Q1	
E	5	MODULE-SEL-2	
F	6	Quadrature Encoder A-Q2	
Н	7	0VDC	
J	8	Quadrature Encoder B-Q1	
ĸ	9	MODULE-SEL-3	
L	10	Quadrature Encoder B-Q2	
M	11	24V-DINP-2	
N	12	24V-DINP-1	
P	12	24V-DINP-4	
R	14	24V-DINP-3	
S	15	24V-DINP-6	
s T	16	24V-DINP-5	
U	16	24V-DINP-8	
V	18	24V-DINP-7	
v W	19	24V-DINP-10	
X	20	24V-DINP-9	
x Y	20		
	21	24V-DINP-12	
Z		24V-DINP-11	
a	23	ANALOG-2	
b	24	ANALOG-1	
C	25	ANALOG-4	
d	26	ANALOG-3	
e	27	ANALOG-6	
f	28	ANALOG-5	
h	29	ANALOG-8	
j	30	ANALOG-7	
k	31	ANALOG-10	
m	32	ANALOG-9	
n	33	ANALOG-12	
р	34	ANALOG-11	
r	35	ANALOG-14	
S	36	ANALOG-13	
t	37	ANALOG-16	
U	38	ANALOG-15	
V	39	ANALOG-18	
W	40	ANALOG-17	
Х	41	NEUTRAL	
У	42	EXTERNAL 24V PS(0.5A)	
Z	43	110VAC-DGI-2	
AA	44	110VAC-DGI-1	
BB	45	110VAC-DGI-4	
CC	46	110VAC-DGI-3	
DD	47	110VAC-DGI-6	
EE	48	110VAC-DGI-5	
FF	49	110VAC-DGI-8	
HH	50	110VAC-DGI-7	





Image depict coding pins required

Datasheet-LOR30201

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LOR30201 Pempek OBP Mixed Inputs Module (110V/24V/4-20mA) Type B

Connector Assembly

Part Number	Description
H0R30201	Connector Assembly B47

Connector Assembly Specifications

- Product Type: Pre-manufactured cable assembly
- Construction: Connector with flying leads (pigtail)
- Connector 1 : Pempek OBP B47 Female Plug (50-pin)
- Connector 2: Unterminated, flying leads
- Conductors: 50
- Cable Length: 2.2 metres
- Pin Type: Female (Gold-plated)
- Conductor Type: PVDF Tinned Stranded Wire

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