ALM-1001 Axle Load Monitor

Live axle load at the driver's dash, with overload warning lights.



OVERVIEW

The ALM-1001 shows live axle load data on the dashboard. Three LEDs give an instant overload status: green below 95 %, amber at 95 %, red when overloaded. It can also show key engine parameters, warnings and system messages from the J1939 bus.

- Per-axle load readout
- Green / amber / red overload LEDs
- J1939 engine data
- IP67 front

SPECIFICATIONS

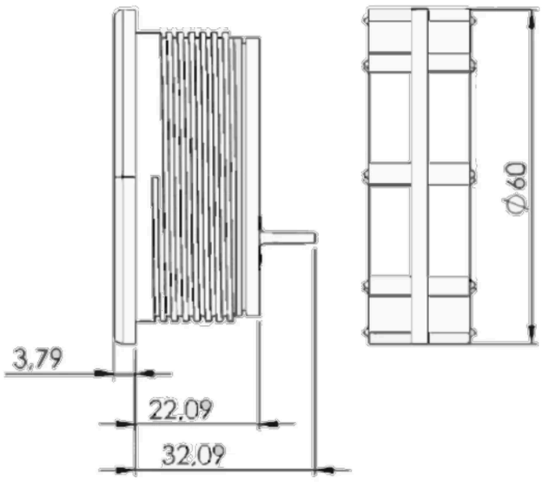
Load indication	Green < 95 %, amber 95 %, red overload
Display	Monochrome LCD, 1.36 in, 106 × 56 px
CAN	1 × CAN 2.0B, SAE J1939
Inputs	4 configurable
Power supply	12 V or 24 V nominal systems
Ingress protection	IP67 (front), IP64 (rear)
EMC	ISO 13766, SAE J1113-21
Operating temperature	-30 to +70 °C
Housing / lens	Black PC/ABS, UV resistant / polycarbonate, anti-scratch and anti-fog
Mounting	Flush / panel mount, 60 × 60 × 25.9 mm
Connector	8-pin TE Mini-Universal MATE-N-LOK

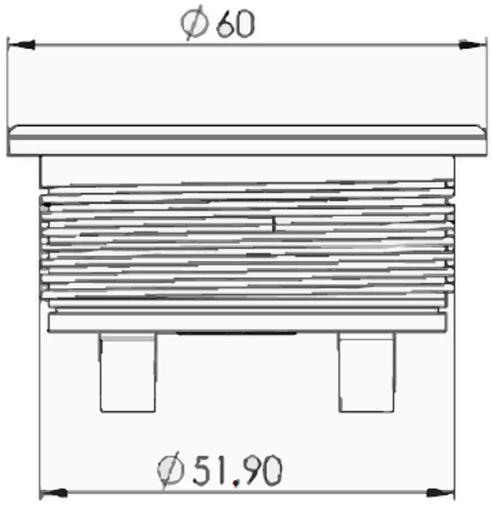
CONNECTOR PINOUT (J1)

Pin	Function	Notes
1	Configurable input	Voltage / digital / resistive
2	Power	Battery +
3	Power	Ground

Pin	Function	Notes
4	Configurable input	Voltage / digital / resistive
5	Configurable input	Voltage / digital / resistive
6	CAN	CAN High
7	CAN	CAN Low
8	Configurable input	Voltage / digital / resistive

DIMENSIONS (MM)





TYPICAL APPLICATIONS

Dump and haul trucks · Concrete mixers · Refuse trucks · Trailers with load sensing

ORDERING

Part number	`ICDT-ALM-1001`
Order online	https://icdigitech.com/products/alm-1001-axle-load-monitor.html
Sales & support	info@icdigitech.com

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