LD307 LED Industrial Signal Display

Products description and application

Using LED matrix method to show or feedback different on-site working status, the display is flexible, clear, eye-catching, intuitive, stable and reliable , low power consumption, long life time.
Specially designed for heavy machinery, engineering machinery and cranes etc.
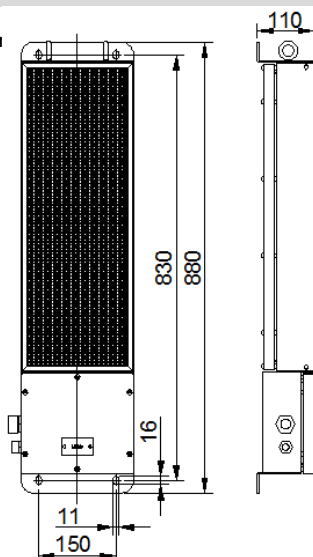
Features

- Stainless steel 304 enclosure, operate stable and durable.
- Outdoor type double colour LED module, brightness, large visual angle, long visible distance, no reflection.
- Sealed structure design, dust and water proof, IP65, vibration resistant.
- RS485 communication mode, with optional of 8 types of addresses (see the below address setting chart).
- Ethernet communication mode can be customized.

General Specifications

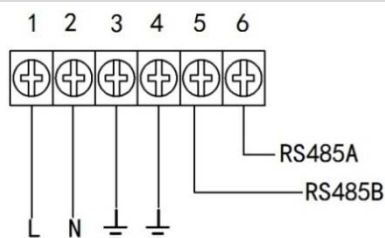| Electrical		Mechanical	
Rated voltage	AC100V～AC240V	Material	SUS 304
Frequency	50Hz/60Hz	Finish	Powder spray black●
Rated power consumption	＜100W	IP rate	IEC60529 IP65
Light source	LED	Operating temperature	Ta-30℃～+60℃
LEDs life time	100,000h	Humidity	10%～95%RH
Communication mode	RS485/Ethernet	Mount	Surface mount
Communication distance	≤1000M/LAN	Wiring	M20 or M12 cable gland
Data cable	Twisted shielded cable/network cable	Weight	11Kg
Display content	digital 0~99; arrow;cross;round		
Work mode	Steady/Flash	Display color	Red
Visible distance	＞100m	Resolution	32×32
Refresh frequency	＞20Hz	Pixel size	6mm
Horizontal visible angle	140±10°	Vertical visible angle	130±10°

Mounting dimensions

[Jeremy1]unit: n

Installation and operation

- Ensure mount face or mount bracket has enough mechanical strength, and mount place has enough space, product junction box cover can be opened.
- Ensure that the input voltage is correct.
- Fix product by using 4 nos. M10 screws.
- Unscrew the screws from junction box cover, open the junction box cover, you can see the terminal blocks.
- Connect power and signal line through cable gland, refer terminals labels to correctly connect the power and signal wires.
- Fix control box by using 4 nos. M6 screws.
- RS485 communication mode: please check signal cable A&B, and connect to the terminal correctly
- Ethernet communication mode: the cable can be connected to the Ethernet module directly through the M12 gland cable.
- Power on the product after final check.

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Wiring diagram

Note: the interface of the Ethernet communication mode is RJ45,which can connect to the client network cable directly.
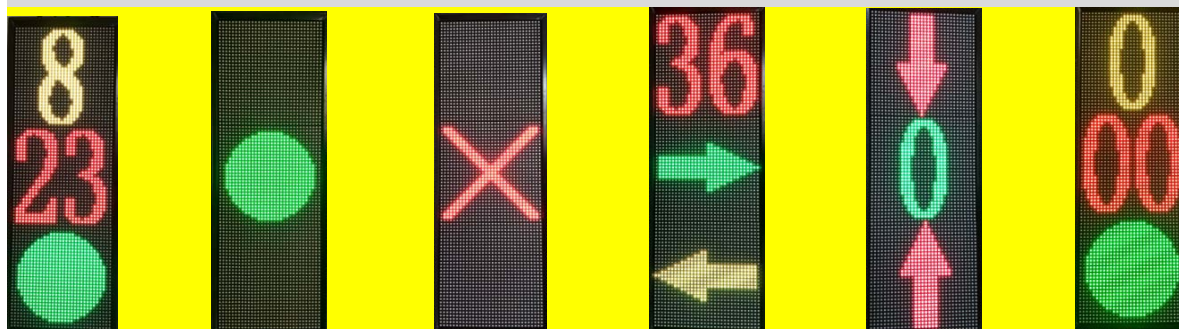
Caution

1. Read these instructions completely and carefully.
2. Feel free to contact with us for any queries.
3. When the device is powered on, the upper module displays "yellow 0"; the middle module displays "red 00"; the lower module displays "green round". After receiving the command, the corresponding content is displayed according to the command.

Address Setting

DIP Value				
address	0 #	1 #	2 #	3 #
DIP Value				
address	4 #	5 #	6 #	7 #

Display picture

interface

Initialize

How to Order

P/N	Model	Rated voltage	Display content	Work mode
1000342-001	LD307	AC100V~AC240V	digital 0~99; arrow;cross; round	RS485
1000342-003	LD307	AC100V~AC240V	digital 0~99; arrow;cross; round	Ethernet