

LPN AI

Highlights

- Compact and easy mounting
- Protection class IP65
- LoRa® Class C
- 2x combined Inputs 0-10V, 0-20mA and PT1000
- USB for setup
- Approx. 10 km range



RF Performance

- 14 dBm TX-Power
- -137 dBm RX-Sensitivity
- Approx. 10 km range

Interfaces

- 2x combined Inputs 0-10V, 0-20mA and PT1000
- USB (for LoRa Setup)

ADC Resolution

- Internal ADC with resolution of 16 Bit used

Power supply

- Input voltage +24VDC (10..36VDC)
- Input current max. 50mA (Typ 6mA @ 24VDC)

Indicators

- 4 Status LED's

Mechanic

- Housing: Polyamide (PA 6-GB 30)
- Dimension (L x B x H) 150mm x 58mm x35mm (incl. antenna)

Environment

- Protection class IP65
- Operating temperature -25°C to +60°C
- Storage temperature -40°C to 85°C
- Rel. humidity 0% to 95% (not condensing)

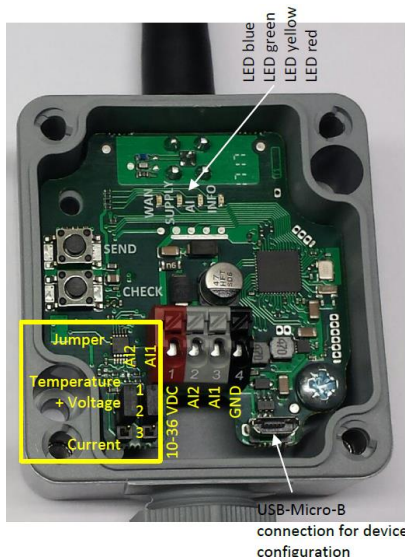
Reference

- LoRa® Modbus Bridge technical manual

Norm & Safety

- EN 62368-1

Power, Communication & Display



| Pin No. | Pin-Description | Signal |
|---------|--------------------|--------------|
| 1 | +24VDC (10..36VDC) | Power |
| 2 | AI2 | Analog Input |
| 3 | AI1 | Analog Input |
| 4 | GND | Power |

(Detailed information's in technical manual)

| LED-Name | Function | LED status |
|------------|-------------------|-----------------------|
| LED blue | LoRa Status | OFF/12%/50%/88%/On |
| LED green | Supply | 100ms (Downlink) |
| LED yellow | AI2 current value | 0..1s = 0..Full-Scale |
| LED red | AI1 current value | 0..1s = 0..Full-Scale |