



- Small size: 64.5L x 61W x 22H (mm)
- Low power consumption
- IP31 protection
- 1-wire interface

PHYSICAL PROPERTIES

Dimensions	64.5L x 61W x 22H (mm)
Connector	12 pin
Indication	3 LEDs
Housing	Plastic
Protection	IP31

PRODUCT FAMILY

◆ Eco4 - Light

CONTACTS

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Electrical specification

Power supply 12/24 V DC (range:10 - 32 V DC)

Power consumption **Eco4 - Light**

Deep sleep mode @ 12 V 6 mA*

Normal mode @ 12 V 60 mA

Storage

Internal storage 4 MB (min. 30000 records)

Protections

Short circuit protection

Reverse polarity protection

* Firmware dependent

I/O Characteristics

DIN threshold	4V
DOUT max. output	Open collector 32 V, 1 A
AIN input range	0 – 30V
AIN resolution	12 bit

Connections:

2 x DIN (AIN / DOUT)	Configurable inputs / outputs
2 x DIN (AIN)	Switchable inputs
2 x AIN	Analog inputs
2 x DOUT	Digital outputs
1 - Wire	1-Wire peripherals
5V power output	80 mA @ 4,3 V
Mini USB (opt. auxiliary panic button)	Configuration interface

Environmental data, reliability, certification

Storage temperature	-40 - +75
Operating temperature	-30 - +75
Operating altitude	Up to 2000 m

Telecommunication, Positioning

GPS\GLONASS module	Ublox EVA-7M
Internal	
56 channel	
Sensitivity	-160 dBm (GPS) -158 dBm (GNSS)
Cold start	30 s
Aided start	5 s
GPS antenna	Internal
Frequency	1575.0 ± 3 MHz
GSM modem	Quectel M95
Internal	
GSM850\GSM900\DCS1800\DCS1900	
GSM antenna	Internal
GSM850\GSM900\DCS1800\DCS1900	
Accelerometer	3-axis; 2g/4g/8g/16g

Peripherals

Available on 1 - Wire

- 4 x Temperature sensors DS18B20/DS18S20
- 1 x iButton DS1990 with passive socket

Available on digital outputs

- 1 x Buzzer\LED
- 1 x Eco-drive panel