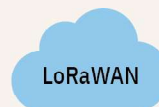


Overview



Advanced pump controller with LoRaWAN connectivity

Key Features

- Remote monitoring and control for decentralized sites requiring multi-channel, general-purpose I/O
- Flexible 24 VDC power supply – suitable for battery and solar-powered applications
- External antenna support for improved signal reception
- Mobile application for configuration and commissioning

Typical Applications

- Control of wastewater packaged pumping stations (1–2 pumps)
- Monitoring of booster stations and water intake facilities
- Motor condition monitoring
- Wireless transmission of 0–20 mA signals
- Monitoring of doors, hatches, and covers
- Optimization of pumping energy consumption
- Monitoring of power outages

Technical Data

Power Supply	24 VDC $\pm 10\%$, max. 60 W	
Communication	LoRaWAN EU868, external antenna (max. gain 2.15 dBi) Bluetooth for setup and configuration	
Inputs	16 x Digital Input (selectable for 24 VDC or 230 VAC) (*)(**) • Input impedance approx. 1 M Ω @ 250 VAC 4 x Analog Input with galvanic isolation (0–100 mA, passive) (*)(**) • Minimum operating voltage <ul style="list-style-type: none"> ○ 7 VDC @ 20 mA ○ 9 VDC @ 100 mA 1 x External temperature sensor 1 x Internal temperature sensor (*) All inputs must be configured for the same voltage level (**) Protected against overcurrent and overvoltage	
Outputs	Output Type 2 x NC Relay 2 x NO Relay	Load Capacity (*)(**) 3 A @ 30 VDC / 250 VAC, $\cos \varphi = 1$ 2 A @ 250 VAC, $\cos \varphi = 0,5$ (*) Relay outputs must be externally fused (EN 62368-1) (**) Voltage range must match that of configured digital inputs
GPIO	4 x GPIO 24 VDC, max. 0.2 A (*) 24 VDC power output, max. 1.1 A (*) (*) Protected against overcurrent and overvoltage	
Overvoltage Category	CAT III 300 V (per EN 62368-1), test voltage 8 kV	
Pollution Degree	PD3 (EN 62368-1)	
Ingress Protection	IP 20	
Operating Temperature	-40 °C ... + 60 °C	
Storage Temperature	-40 °C ... + 60 °C	
Dimensions ((W x H x D)	170 x 90 x 63 mm	
Country of Manufacture	China, Estonia	
Mounting options	DIN rail (35 mm, 10U)	
Installation Guidelines	Maximum altitude 2,000 m above sea level Installation must be performed by a licensed electrician if device is to be used in 230 VAC mode	
Accessories (sold separately)	Current transformer, external temperature sensor, current loop power supply	
Expansion Options	Available upon request – contact us for further details	