

Inteli AIN8

Datasheet

Product description



- ▶ Peripherals dedicated to expand number of I/Os of the main ComAp controller
- ▶ Supports wide range of sensor types and characteristics
- ▶ Connection with the main ComAp controller over CAN bus (up to 200 m length)
- ▶ Extension modules are compatible with
 - InteliSys^{NT} BaseBox, InteliSys^{NTC} BaseBox, InteliSys GAS, InteliSys^{NTC} Hybrid, InteliSys^{NT} BaseBox Marine
 - InteliGen^{NT}, InteliGen^{NT} BaseBox, InteliGen^{NTC} BaseBox Marine
 - InteliMains^{NT}, InteliMains^{NT} BaseBox, InteliMains^{NTC} BaseBox
 - InteliDrive DCU Marine, InteliDrive DCU

Key features

- ▶ Analog input: 8 channels
- ▶ Impulse/RPM input: 1 channel
- ▶ Supported sensors:
 - Pt100, Pt1000
 - Ni100, Ni1000
 - (0)4 - 20 mA

- ± 20 mA
- 0 - 250 Ω, 0 - 2400 Ω, 0 - 10 kΩ
- ± 1 V DC, 0 - 10 V DC, 0 - 5 V DC
- Lambda probe

Certificates and standards

This product is CE compliant. <ul style="list-style-type: none"> ▶ EN 60068-2-6 ed.2:2008 ▶ EN 60068-2-27 ed.2:2010 ▶ EN 60068-2-30, May 2000 ▶ EN 60068-2-64 ▶ EN 61010-1:2003 	 
Marine certifications: DNV, GL, LR, BV, RMR, CCS, RINA	
All certificates and standards are available on: https://webstore.iec.ch/publication/4243	



Order code: I-AIN8

Extension Peripheral Modules

Technical data

Power supply

Power supply	8 to 36 V DC
Power consumption	35 mA a @ 24 V ± 100 mA at 8 V

Operating conditions

Operating temperature	-30°C to +70°C
Storage temperature	-40°C to +80°C
Operation humidity	95% w/o condensation
Vibrations	5-25 Hz, ±1.6 mm, 25-100 Hz, a = 4 g
Shocks	a = 200 m/s ²

Analog inputs (not galvanic separated)

Voltage	range: 0-10 V, accuracy: ±0,25 % of actual value ±25 mV
Current	range: ±20 mA, accuracy: ±0,25 % of actual value ±50 µA
Resistance	range: 0- 10 kΩ accuracy: resistance: ±0,5 % of actual value + ±2 Ω_ Pt100, Pt1000, Ni100, Ni1000 ±2,5°C

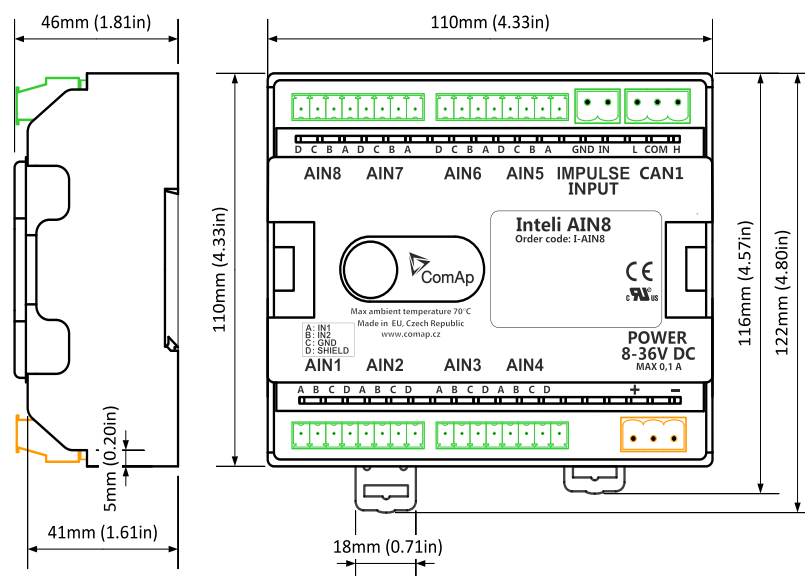
Impulse / RPM input

RPM	level of signal: 2(6) Vpk-pk ± 70 Vpk-pk frequency range 4 Hz ± 10 kHz
Impulse	Measurement of pulses by norm DIN 43864 and norm IEC 62053-31– equipment class A. for flow meter pulses: $V_{Hmax} = 30 V$, $I_{max} = 30 mA$, $T_{onmin} = 10 ms$, $T_{offmin} = 10 ms$, OC

General information

Protection	IP20
Galvanic separation	CAN bus is galvanic separated from the measurement and power supply. All analog inputs are galvanic separated from power supply and CAN bus. Analog inputs are not galvanic separated between channels.

Dimensions, terminals and mounting



Note: The unit is mounted on DIN rail (35 mm/1.38 in).

