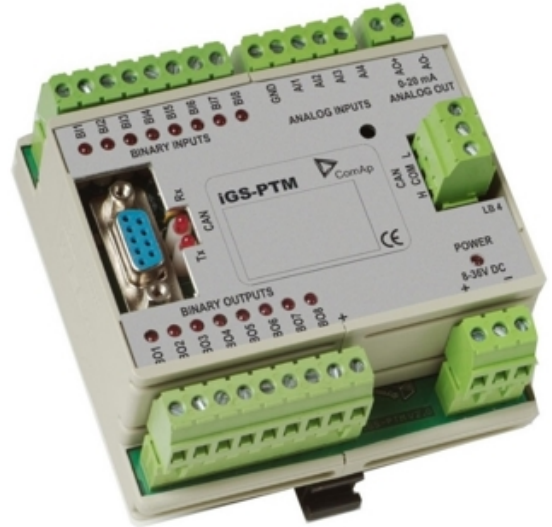




IGS-PTM



Order code: IGS-PTM

Analog/Binary Input/Output Module

Datasheet

Product description

IGS-PTM is modification of standard IG-IOM module with four analog inputs.

The detection of communication speed is indicated by fast flashing of status LED. Once the speed is detected the module remains set for the speed even when the communication is lost. Renewal of communication speed detection is done by reset of the module.

Extension modules are compatible with

- > IntelliSysNT BaseBox, IntelliSysNTC, BaseBox, IntelliSys GAS, IntelliSysNTC Hybrid, IntelliSysNT BaseBox Marine
- > IntelliGenNT, IntelliGenNT BaseBox, IntelliGenNTC BaseBox Marine, IntelliMainsNT, IntelliMainsNT BaseBox, IntelliMainsNTC BaseBox
- > IntelliDrive DCU Marine, IntelliDrive DCU
- > IntelliGen4 200, IntelliGen 200, IntelliGen 500 G2, IntelliGen 500, IntelliGen 1000, IntelliLite(3) AMF25, IntelliLite(3) AMF20, IntelliLite(3) MRS16, Intelli(3) MRS 11, all controllers from IntelliLite 4 family
- > IntelliNeo 6000, IntelliNeo 5500, IntelliMains 210, IntelliMains 1010

Key features

- > Configurable 8 binary and 4 analog inputs
- > Configurable 8 binary and 1 analog output
- > LEDs indicate the state of binary inputs/outputs
- > Measures values from Pt100 and Ni100 sensors

- > Analog inputs (resistance range 0-250 Ω , voltage range 0-100 mV, current range 0-20 mA – selectable via jumper)
- > Up to 4 IGS-PTM can be connected to the controller
- > UL certified

Application overview



IM-NT



IG-NT/IS-NT



ID



CAN 1



AC-DC

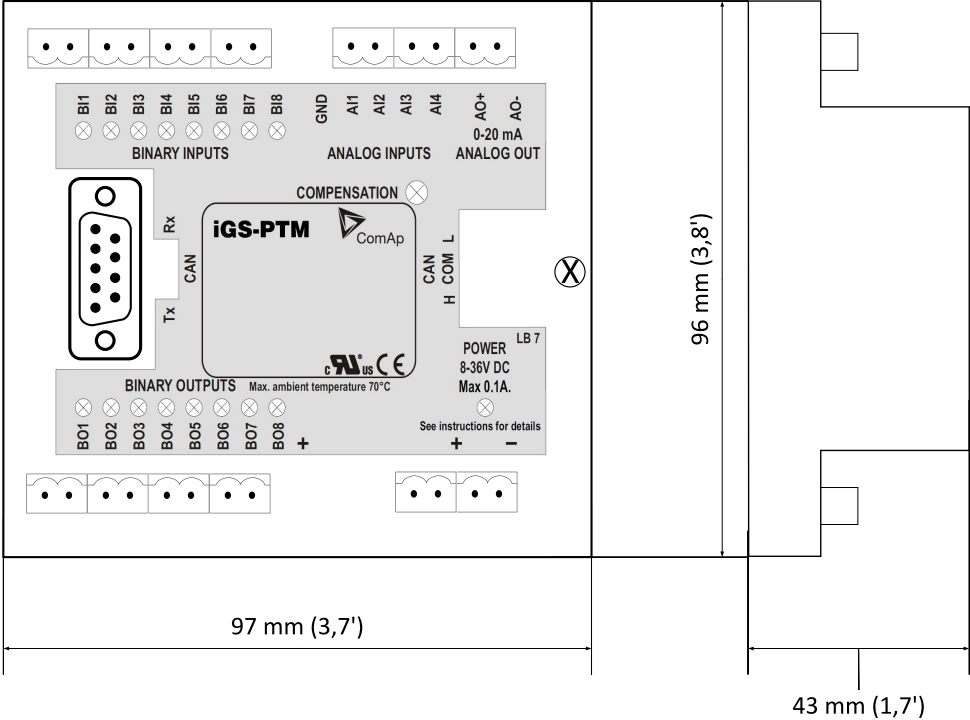


100110



DIN35

Dimensions, terminals and mounting



Note: Unit is 35 mm DIN rail mounted.

Technical data

Operating conditions

Power supply	8 to 36 V DC
Protection	IP20
Current consumption	100 mA at 24V ÷ 500 mA
Storage temperature	- 40 °C to + 80 °C
Operating temperature	-30 °C to +80 °C
Heat radiation	8 W

Binary inputs

Binary inputs	
Input resistance	4700 Ω
Input range	0 to 36V DC
Type	Pull Up
Switching voltage level for close contact indication	0 to 2 V
Max voltage level for open contact indication	8 to 36 V

Binary outputs

Binary output (Open collector output)	
Type	Low side switch (LSS)
Max current	500 mA
Max switching voltage	36V DC

Dimensions

Dimension (W × H × D)	95 × 96 × 43 mm (3.7' × 3.8' × 1.7')
Interface to controller	CAN1

Analog inputs

Analog inputs (Not electric separated)	
Resolution	10 bits
Sensor resistance range	0 to 250 Ω
Maximal voltage range	0 to 100 mV

Maximal current range	0 to 20 mA
Resistance measurement tolerance	1 % ± 2 Ω out of measured value
Voltage measurement tolerance	1.5 % ± 1 mV out of measured value
Current measurement tolerance	2.5 % ± 0.5 Ω out of measured value
Input impedance for measuring current	3.9 Ω
Input impedance for measuring voltage	100 kΩ

Analog output

Analog output (not electric separated)	
Output current	0 to 20 mA ± 0.33 mA
Resolution	10 bit