

ANALOG INPUT MODULE AIM18

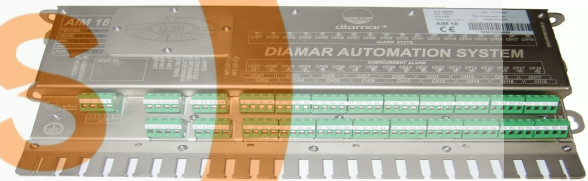
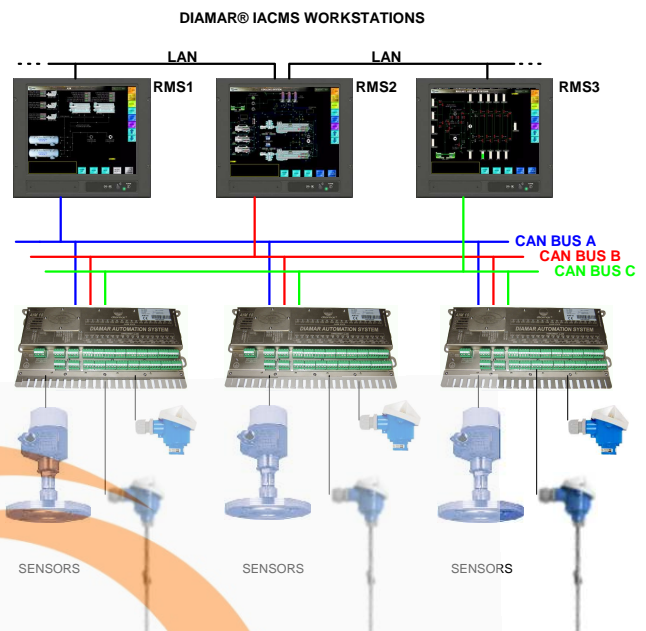
Description

The Analog Input Module, AIM18, is a local acquisition module, part of SEDNI's DIAMAR® Automation System.

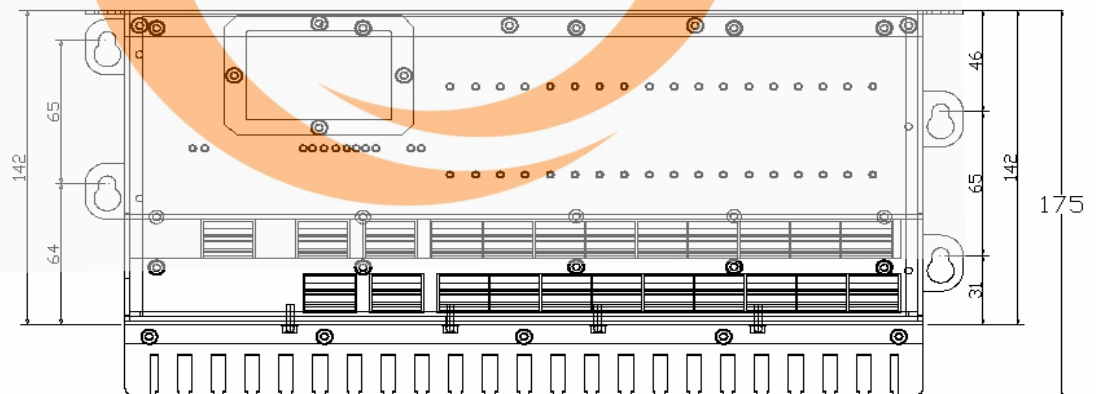
This module is intended for different types of signals, as current or resistance. Normally used to give information about pressure, temperature, levels, etc.

Signals are processed internally and transferred through 3 CAN-BUS lines (tri-redundancy) to the Remote Stations where all monitoring and control functions are available for the operators.

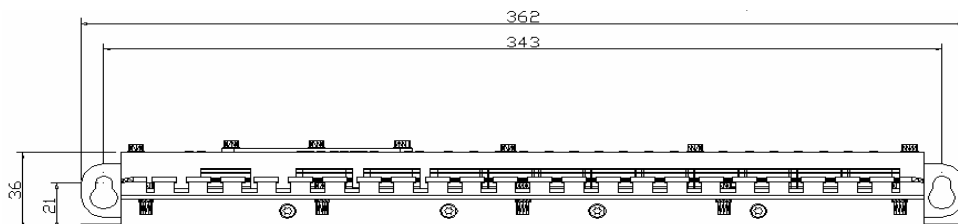
AIM18 is prepared to work in the hardest environmental conditions, complying with the rules of the main Class Societies as: DNV, BV, GL, LR, ABS, RINA...



Top View
(Horizontal
mounting)

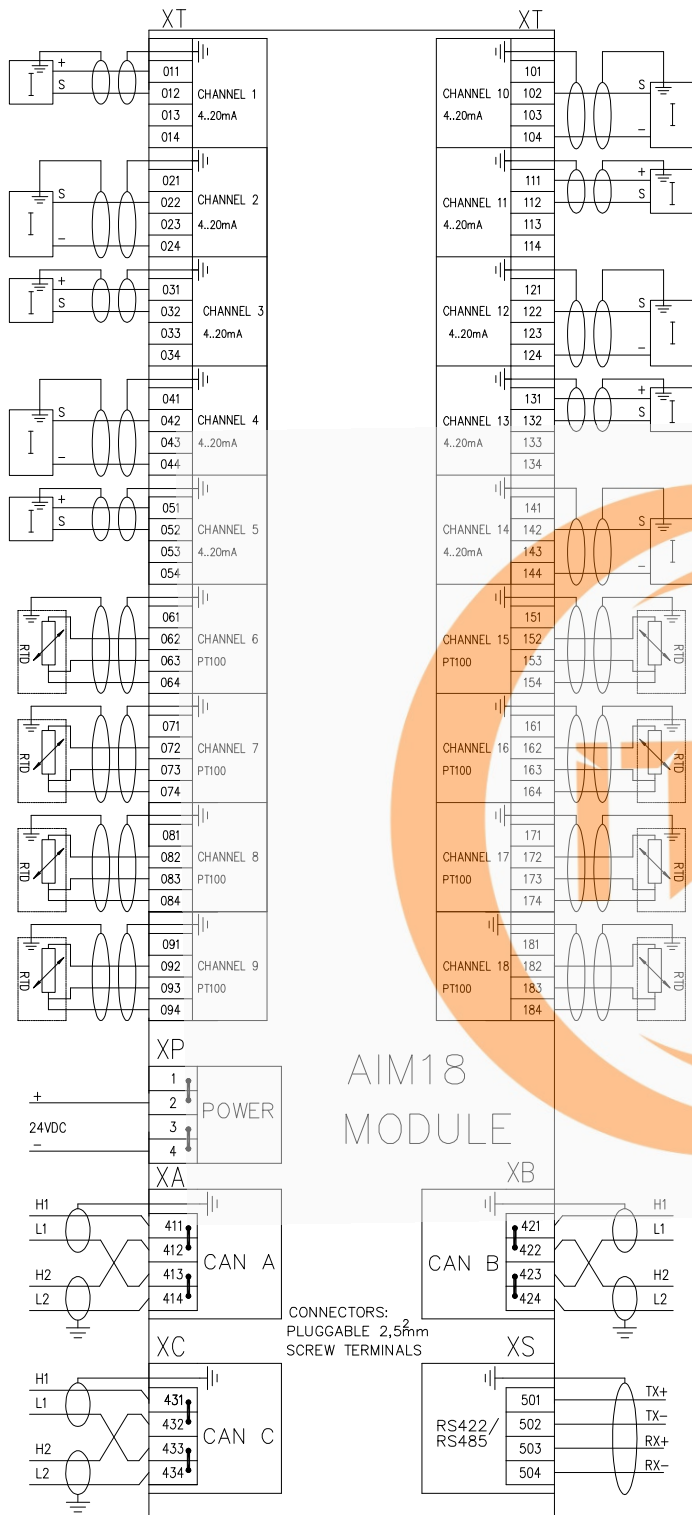


Front View
(Vertical
mounting)



Connection Drawing

Example connections.



Specification

- ✓ 18 analog input channels.
- ✓ Active or passive current sensor.
- ✓ Integrated sensor for temperature monitoring in PCB.
- ✓ Voltage monitoring in microprocessor.
- ✓ Suitable for direct mounting in engine room units (in cabin or console). Possibility to be mounted on engines, etc... (4G).
- ✓ Prepared to be installed directly in the Main Switch Board and starters.
- ✓ Galvanic Isolation between power, process and inputs/outputs.
- ✓ LED status indication.
- ✓ No jumper or switch channel configuration.
- ✓ Sensor excitation from module.
- ✓ Power supply: 18 – 36 VDC
- ✓ Max. Power consumption: 8 W
- ✓ Working temperature: -25°C/+70°C
- ✓ Storage temperature: -40°C/+80°C
- ✓ Relative Humidity: 95%
- ✓ 3 CAN BUS lines.
- ✓ 1 RS422/485 line.
- ✓ Vertical or horizontal mounting with screws.
- ✓ Size: 175 x 362 x 36 mm
- ✓ Weight: 1,05 Kg.