DIGITAL INPUT/OUTPUT MODULE DIOM24

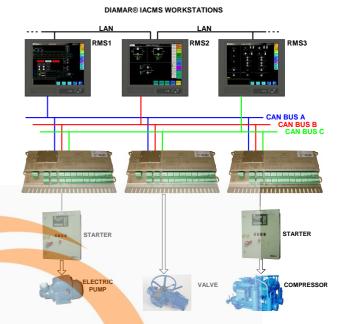
Description

The Digital Input/Output Module, DIOM24, is a local acquisition module, part of SEDNI's DIAMAR® Automation System.

This module can handle digital inputs and outputs to control pumps, valves, compressors, etc.

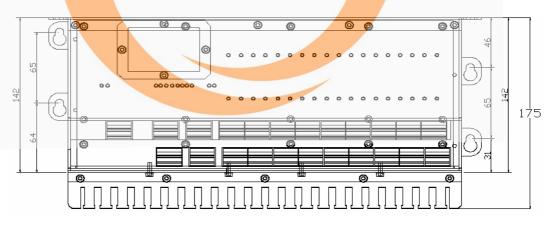
Signals are processed internally and transferred through 3 CAN-BUS lines (triredundancy) to the Remote Stations where all monitoring and control functions are available for the operators.

DIOM24 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...

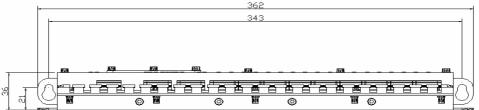




Top View (Horizontal mounting)



Front View (Vertical mounting)



Connection Drawing

XΤ XT 011 CH16 161 CH1 012 162 021 163 022 164 031 CH17 171 CH3 032 172 041 17.3 CH4 042 NC 174 051 181 CH18 / CH5 052 182 K6 061 183 CH6 062 184 تے CH19 071 191 CH7 072 192 081 193 CH8 082 194 091 CH20 201 092 K8 101 203 CH10 102 204 111 CH21 CH11 112 121 CH12 122 131 221 უ CH13 132 133 NC 134 224 141 231 ¬ CH14 142 143 NC 144 234 151 241 ₹ CH15 CH24 9 152 242 153 NC 154 244 XΡ DIOM24 POWER 24VDC MODUL XA 411 I₄₂₂ CAN A CAN B I⁴²³ Н2 414 L2 CONNECTIONS: XC PLUGGABLE 2,5mm² XS SCREW TERMINALS

501

502

503

TX-

RX+

RX-

Specification

- √ 12 digital input channels.
- √ 12 digital output channels (dry contact).
- **✓** Integrated sensor for temperature monitoring in PCB.
- √ Voltage monitoring in processor.
- ✓ 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.
- ✓ 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.

L1

L2

L1

431

432

433

CAN C