



Remote I/O - 12 ch

12 channels I/O distribution unit

innova.no

Part number: 5018670

The I/O distribution unit is designed to collect up to 12 individual sensors and transfer the data on ethernet or serial communications. 8 of the connectors are dedicated to analogue signal (4-20mA) and 4 of the connectors are dedicated to digital signal.

The unit is based on Innova's product PIO36 with extensive field experience. Implementing the I/O Distribution Unit into a subsea control system will simplify the main controller as this needs only on connector with cable to access data from up to 12 analogue/digital sensors.

The unit is also fitted with controllable relays for galvanic separating the outputs.

Key features

- Up to 12 I/O input
- Ethernet / serial communication
- 10-30VDC supply
- Controllable relays on all outputs for galvanic isolation

PHYSICAL IO CONFIGURATION

8 x Analogue inputs

- Signal: 0 to 20 mA
- 4 x channels can be switched -10 to 10 V
- 16-bit resolution

4 x Digital inputs (NPN or PNP)

- 24 V Isolated input
- BW: 0 to 4 kHz
- Signal decoding
- Level (High/Low)
- Frequency
- Counter (32-bit)
- Grey-2 Encoder (100 kHz)

CONNECTORS

- 8 x MCBH4F for analogue sensors
- 4 x MCBH5F for digital sensors
- 1 x G5506-2008 for pod connection

SOFTWARE FEATURES

- Save default power-up values
- Save default lost COMs values
- Onboard conversion from analogue and digital signals to engineering values, e.g. from mA to Bar, frequency to flow

SIZE & WEIGHT:

- Dimensions: Ø200 x 318 mm
- Weight: 10 kg
- Ext. Material: aluminium, hard-eloxated

SUPPLY

- Voltage: 24 VDC (10 to 30 V)
- Idle current: 60 mA

COMMUNICATION

- 2 x Ethernet (10 / 100 Mbps)
- 1 x RS232
- 1 x RS485 (Isolated)
- Protocol for all interfaces: Modbus (RTU/TCP)

ENVIRONMENTAL

- Pressure: 300 bar / 3000 m water depth Temperature: -20 to 50 °C (Operation)

