

ICENI distributed I/O system
analogue output module AO-01
4 channel, 4 to 20 mA



Regulateurs Europa
Member of the HEINZMANN Group

ICENI/AO-01

DATA SHEET

Description

The module provides four, loop powered, individually isolated output channels, for interfacing to field devices (panel meters, control valves, actuators, etc.)

The module drives four 4 to 20 mA analogue outputs that are configured from the master module. Each is individually opto-isolated from the ICENIbus. The individual status LEDs indicate that the field output is present and within limits and the healthy LED indicates that the module is communicating on the ICENIbus. By pressing the RE logo pushbutton, all of the driven output values are shown on the master module display.

The module can occupy any slot between the first (master) and the last (power supply) modules.



Features

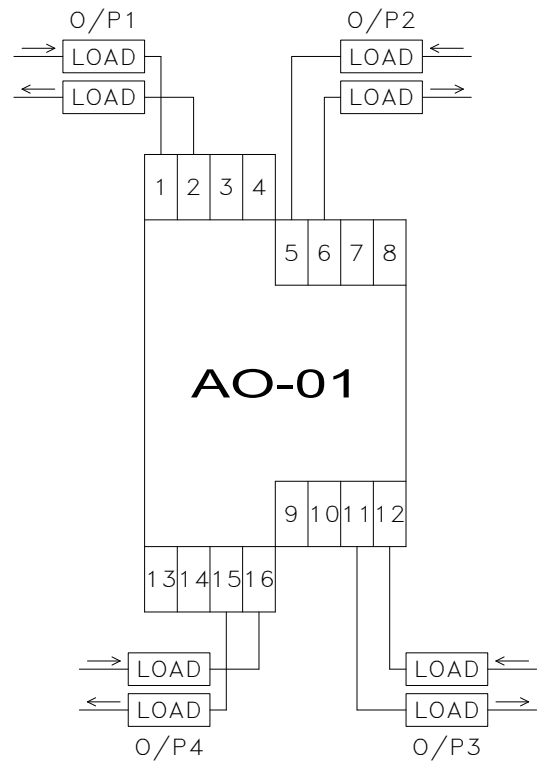
- Loop powered inputs
- Individually isolated channels
- Protected inputs
- Signal fault indication

General specification

Operating temperature	-20 ... +70 °C
Storage temperature	-40 ... +85 °C
Mounting	35 mm DIN rail
Field wiring termination	screw (cage clamp option available)
Wiring cross section / strip length	0.14 ... 1.5 mm ² / 7 mm
Enclosure material	grey polyamide
Weight	130 g (approx.)
Degree of protection	IP20

Technical specification

Operating temperature	-20 ... +70 °C
Number of channels	4 outputs
Channel type	current
Signal range	4 ... 20 mA
Signal output protection	reverse polarity
Minimum load resistance	1 Ohm
Maximum voltage across output	35 VDC
Update rate at master module (per channel)	10 Hz
Internal update rate (per channel)	100 Hz
Accuracy	+/- 0.5 % fsd
Electrical isolation - channel to channel	500 V
Electrical isolation - channel to ICENibus	1,000 V
Fault detection	open circuit / loop supply too low demand out of range
Maximum ICENibus consumption	80 mA



Dimensions

