

Analogue Output Modules

Quattro and Uno

DESCRIPTION

The QUATTRO is an add-on module for use with the NEMO models equipped with DI2 interface. The unit enables 4 independent analogue outputs to be provided for any parameter measured by the NEMO. Any combination of output signals may be specified from those available. These may be programmed to give an output proportional to any part of the parameter being measured (i.e. independent setting of zero and full scale value). Where a common negative is required, either voltage outputs should be specified, or an alternative Model, the Quattro-I.

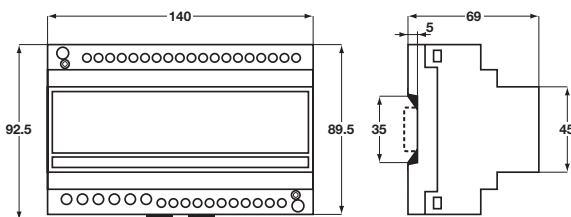


QUATTRO

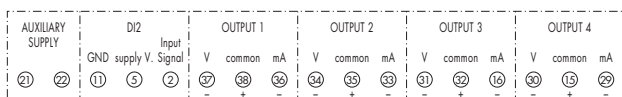
SPECIFICATIONS

Input	NEMO interface DI2, 3 wires
Current Output	0-5, 0-10, 0-20, 4-20mA
Output Load	≤ 750Ω (20mA), ≤ 1.5kΩ (10mA), ≤ 3kΩ (5mA)
Voltage Output	0-5, 0-10, 1-5V DC
Output Load	> 1kΩ
Intrinsic Error	± 0.2% (referred to span of output)
Ripple	≤ 0.5%
Response time	≤ 200ms
Aux supply	115V 50/60Hz (95...127V) or 230V 50/60Hz (192...253V)
Supply Burden	≤4VA
Insulation	Impulse 5kV 1.2/50μs 0.5J (IEC 55-4) 4kV 50Hz/1 min - input and output/auxiliary - all circuits/earth 3 kV 50Hz/1 min - NEMO input/QUATTRO output
Electromagnetic Capability	Fast Transient Burst (IEC 801-4) Severity Level 4

DIMENSIONS



WIRING DIAGRAMS



DESCRIPTION

The UNO is an add-on module for use with NEMO models equipped with DI2 interface. It enables one analogue output to be provided for any parameter measured by the NEMO. Programming of the output scaling is possible via the NEMO keyboard for both zero and full scale value.

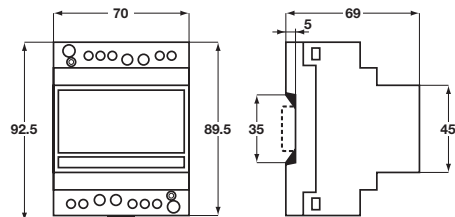


UNO

SPECIFICATIONS

Input	NEMO interface DI2, 3 wires
Current Output	0-5, 0-10, 0-20, 4-20mA
Output Load	≤ 750Ω (20mA), ≤ 1.5kΩ (10mA), ≤ 3kΩ (5mA)
Voltage Output	0-5, 0-10, 1-5V DC
Output Load	> 1kΩ
Intrinsic Error	± 0.2% (referred to span of output)
Ripple	≤ 0.2%
Response time	≤ 200ms
Aux supply	115V 50/60Hz (95...127V) and 230V 50/60Hz (192...253V)
Supply Burden	≤3VA
Insulation	Impulse 5kV 1.2/50μs 0.5J (IEC 55-4) 4kV 50Hz/1 min - input and output/auxiliary - all circuits/earth 3kV 50Hz/1 min - NEMO input/UNO output
Electromagnetic Capability	Fast Transient Burst (IEC 801-4) Severity Level 4

DIMENSIONS



WIRING DIAGRAMS

