



- DC to DC signal isolator
- A wide range of inputs and outputs (factory set)
- 1000V galvanic isolation
- Up to two individual very fast analogue output signals (<50mS), (optional)
- DIN96 Slave Indicators with full scale (optional)

Specifications

Standard Auxiliary Voltage:	100-120V, 200-240V, 380-415V, 440-460V, 480VAC, 40-70Hz (Fuse 0,5A)
Optional Separate Auxiliary Voltage:	24-60VDC (Fuse 0,5A) 110-220VDC (Fuse 1A)
Supply tolerance:	+10%, -20%
Power rating:	5VA
Typically Input signals:	mA: Up to +/- 20mA mV: Up to +/- 500mV V: Up to +/- 10VDC
(Other range on request)	
Analogue output 1: (see page 2 for available outputs)	mA: Up to 20mA, max 500R V: Up to 10V, min 100kohm (other on request)
Analogue output 2: (see page 2 for available outputs)	mA: Up to 20mA, max 500R V: Up to 10V, min 500ohm (other on request)
Accuracy:	Class 0,2
Temperature:	-20 to +70°C
Humidity, relative:	0-95%
Weight:	0.6kgs
Front protection:	IP21
Flammability:	UL94-V0

Description

The digitally controlled MSA11Ex is used for applications where a fully isolated DC signal is required relative to a DC input.

Typical applications involve converting any input signals to any output signals for use with PLC based systems.

A green LED (ON) indicates the auxiliary supply presence.



Up to two individual very fast analogue output signals (optional) (see page 2 for available outputs). The analogue output is isolated from both input and auxiliary power.

The standard model have **one** output signal, but optional model have **two** output signals.

The standard models use AC auxiliary supply from terminal 1 & 2.

It can also be delivered with optional separate DC auxiliary voltage (terminal 26 & 27), but that must be specified when ordering (see page 2 for ordering code for separate DC Aux. Supply).

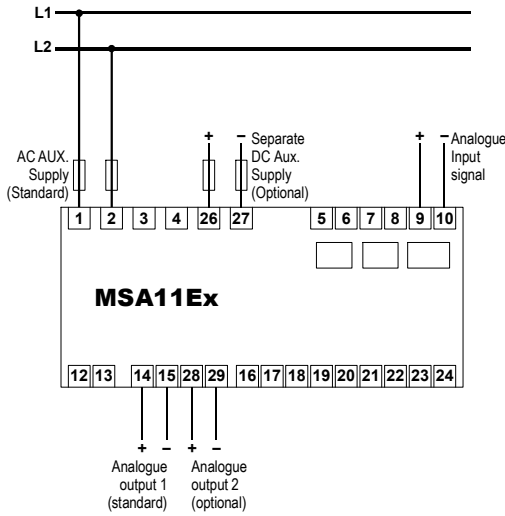
Contact Megacon for other ranges than listed under specifications.

Models	O/P 1	O/P 2	Standard model	Optional model
MSA11EA	X	-	X	-
MSA11EB	X	X	-	X

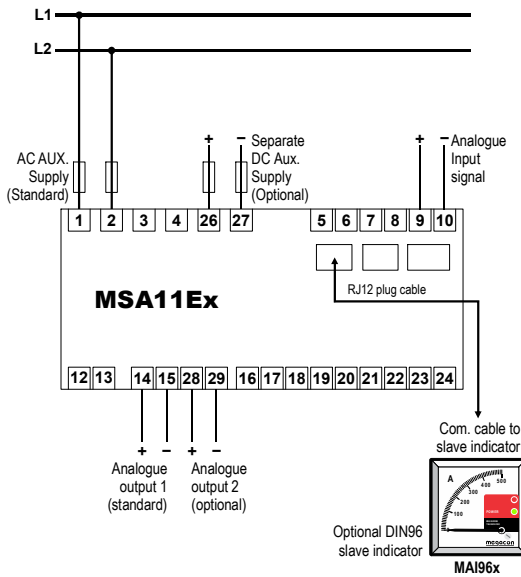
The unit meets EN 60255-27 Cat. III, Pollution degree 2 and the relevant environmental and EMC tests specified in EN 60255-26 to comply with the requirements of the major Classification Societies.

Connection Diagram

Connection Diagram without optional slave instrument



Connection Diagram with optional slave instrument



Analogue Output

The output signals are proportional to the meter reading.

The signal is specifically intended as an input to a control system for monitoring or control.

Add suffix from table below to type designation to specify output required:

Outputs 1

O/P1	0 - 10mA
O/P2	0 - 20mA
O/P3	4 - 20mA
O/P4	4 - 12 - 20mA
O/P5	4 - 5,45 - 20mA
O/P6	-10 - 0 - +10mA
O/P7	-20 - 0 - +20mA
O/P8	0 - 10V
O/P9	0,2 - 10V
O/P10	4,3 - 20mA

Outputs 2

O/P11	0 - 10mA
O/P12	0 - 20mA
O/P13	4 - 20mA
O/P14	4 - 12 - 20mA
O/P15	4 - 5,45 - 20mA
O/P16	-10 - 0 - +10mA
O/P17	-20 - 0 - +20mA
O/P18	0 - 10V
O/P19	0,2 - 10V
O/P20	4,3 - 20mA

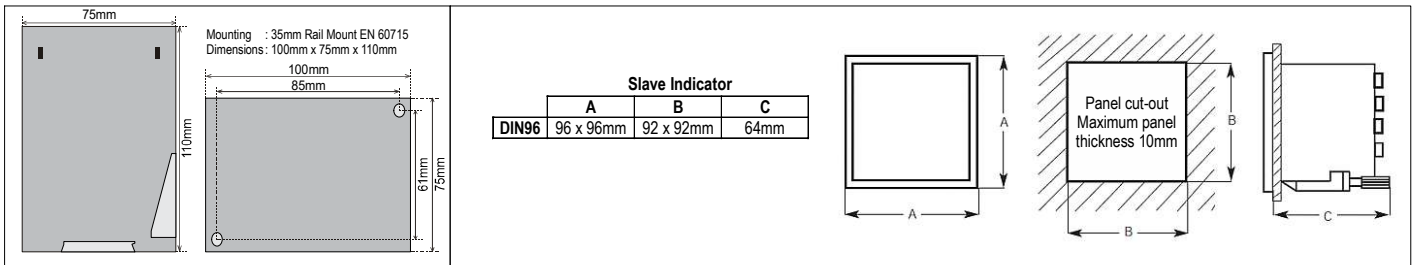
Connection

Terminal type : Terminal Clamp and Screw
 Wire max. : T1-T4,
 T26-T27: AWG 24-14,
 T5-T10: AWG 12,
 other terminals: AWG 24-12
 Screw Torque : 0.5Nm

Overload

Voltage : 1.2 x Un continuous
 2 x Un for 10secs
 Current : 2.5 x In continuous
 5 x In for 1secs (max 25A)

Dimensions



The MEGACon policy is one of continuous improvement, consequently equipment supplied may vary in detail from this publication.

ORDERING INFORMATION (Example)

Type	: MSA11EB	Optional Separate Aux. Supply:
Aux. Supply	: 200-240VAC	Add -SD for models with
Input Signal	: 0-10mA	Separate DC Aux. Supply.
Analogue output 1	: O/P3: 4-20mA	(Example: MSA11EB-SD)
Analogue output 2	: O/P18: 0-10VDC	

