OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

LUMEL - S4AO ANALOGUE OUTPUT CONVERTER - 4 CHANNEL

S4AO2100E0
S4AO, RS-485 convertor, 4x 0-10V Outputs,85-253V ac, 90-300V dc Supply



- Conversion of RS-485 MODBUS data into standard analogue signals
- Two independent communication ports
- Possibility to work as Master/Slave
- Master Modbus function dedicated to read out data from RS-485 devices
- Slave Modbus function to set the signal on analog outputs

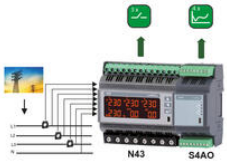
PRODUCT DESCRIPTION

We are pleased to announce the launch of the Lumel S4AO analogue output converter

- The output signals are divided into 2 sets of 2 outputs, which are isolated from one another.
- RS-485 and USB ports are isolated from output signals and the supply.
- The module setting can be easily done through USB or one of the RS-485 interfaces using the free e-Con program.
- The main advantages which distinguish our product from other products of the same kind
- Possibility to connect a number modules through RS485 in order to increase the number of analog outputs.
- 2 independent RS-485 ports with Modbus protocol (possibility to work as Master/Slave).
- Master Modbus function dedicated to read out data from other RS-485 devices and to scale analog value.
- Slave Modbus function to set the signal on analog outputs.
- Output work time counter for values above and below a certain threshold.
- The module can be programmed through USB without the need to connect the power supply.
- The module has modular design and is dedicated to be mounted on the S-type rail acc. to EN 62208 (module's width is equal to 3 standard modules). It is perfect to be mounted in a switchboard cabinets.



Retransmission of analog signals through S4AO.



Increasing number of analog outputs in power network meters by adding S4AO module.

ORDERING CODE:

S4AO -	X	XX	X	X
Outputs:				
4 current outputs, 0/4...20 mA	1			
4 voltage outputs, 0...10 V	2			
2 sets of 1 voltage + 1 current output: 0...10 V and 0/4...20 mA	3			
acc.to customer's requirements*	X			
Supply voltage:				
85...253 V a.c., 90...300 V d.c.		1		
20...40 V a.c., 20...60 V d.c.		2		
Version:				
standard		00		
custom-made*		XX		
Language:				
Polish			P	
English			E	
other*			X	
Acceptance tests:				
without extra quality requirements				0
with an extra quality inspection certificate				1
acc.to customer's requirements*				X

* - After agreeing with the manufacturer

ORDER EXAMPLE:
Code **S4AO - 1100E0** means:
S4AO - S4AO module
1 - 4 current outputs 0/4...20 mA
1 - supply 85...253 V a.c./d.c.
00 - standard version
E - English version
0 - without extra quality requirements

ACCESSORIES:
- USB CABLE A/miniUSB-B - 1m BLACK, **order code:** 20-069-00-00150
- lateral bus inter-module connector; **order code**: 24-171-01-00016,
- lateral bus to cable connector; **order code**: 24-171-01-00017.

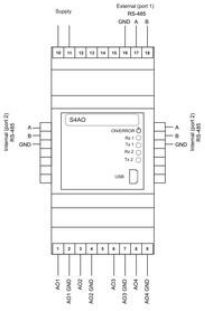


Fig. 1 Electrical connections of the S4AO module.

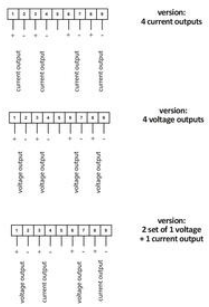
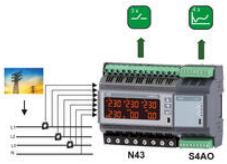


Fig. 2 Analog outputs versions.



Retransmission of analog signals through S4AO.



Increasing number of analog outputs in power network meters by adding S4AO module.

ORDERING CODE:						
S4AO -	X	X	XX	X	X	
Outputs:						
4 current outputs, 0/4...20 mA	1					
4 voltage outputs, 0...10 V	2					
2 sets of 1 voltage + 1 current output: 0...10 V and 0/4...20 mA	3					
acc.to customer's requirements*	X					
Supply voltage:						
85...253 V a.c., 90...300 V d.c.		1				
20...40 V a.c., 20...60 V d.c.		2				
Version:						
standard			00			
custom-made*			XX			
Language:						
Polish				P		
English				E		
other*				X		
Acceptance tests:						
without extra quality requirements					0	
with an extra quality inspection certificate					1	
acc.to customer's requirements*					X	

* - After agreeing with the manufacturer

ORDER EXAMPLE:
Code **S4AO - 1100E0** means:
S4AO - S4AO module
1 - 4 current outputs 0/4...20 mA
1 - supply 85...253 V a.c./d.c.
00 - standard version
E - English version
0 - without extra quality requirements

ACCESSORIES:
- USB CABLE A/miniUSB-B - 1m BLACK, **order code:** 20-069-00-00150
- lateral bus inter-module connector; **order code**: 24-171-01-00016,
- lateral bus to cable connector; **order code**: 24-171-01-00017.

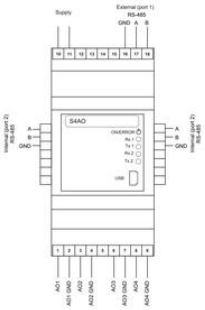


Fig. 1 Electrical connections of the S4AO module.

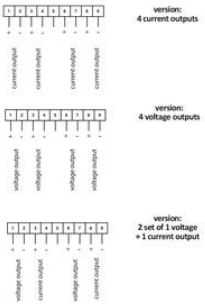


Fig. 2 Analog outputs versions.