

## LUMEL - S4AO ANALOGUE OUTPUT CONVERTER - 4 CHANNEL

S4AO3200

S4AO, 2x0-10V 2x0-20mA Outputs, 20-40V ac, 20-60V dc Supply

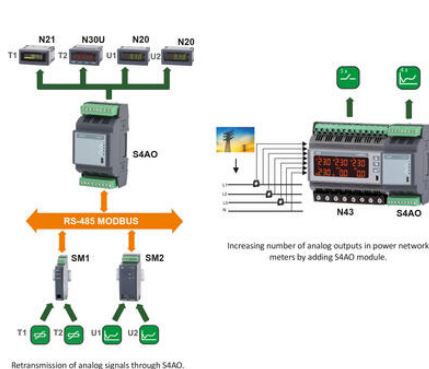
- Conversion of RS-485 MODBUS data into standard analogue signals
- Two independent communication ports
- Possibility to work as Master/Slave
- Master Modbus function dedicated to read out data from RS-485 devices
- Slave Modbus function to set the signal on analog outputs



### 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.



ORDERING CODE:			
S4AO	X	X	X
Outputs:			
4 current outputs, 0/4...20 mA	1		
4 voltage outputs, 0...30 V	2		
2 sets of 1 voltage + 1 current output: 0...30 V and 0/4...20 mA	3		
set to customer's requirements*	X		
Supply voltage:			
85...253 V a.c./96...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		
Accessories:			
without extra quality requirements	0		
with an extra quality inspection certificate	1		
set to customer's requirements*	X		
* After agreeing with the manufacturer			

ORDER EXAMPLE:  
Code S4AO - 110009 means:  
S4AO - S4AO module  
3 - 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: 20-060-00-00150  
• lateral bus inter-module connector;  
order code: 24-171-01-00016,  
• lateral bus to cable connector;  
order code: 24-171-01-00017.

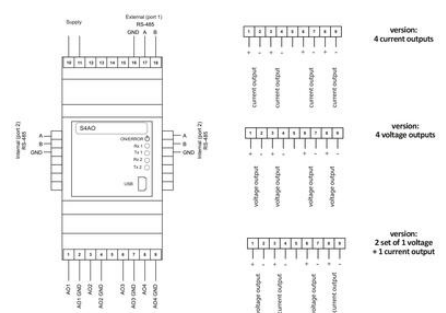
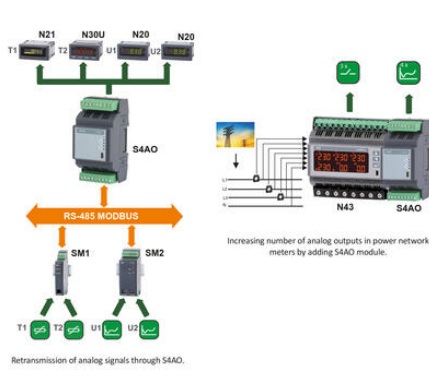


Fig. 1 Electrical connections of the S4AO module.

Fig. 2 Analog outputs versions.



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

ORDERING CODE:				
S4AO	X	X	XX	X
Outputs:				
4 current outputs, 0/4...20 mA	1			
4 voltage outputs, 0...30 V	2			
2 sets of 1 voltage + 1 current output: 0...30 V and 0/4...20 mA	3			
set to customer's requirements*	5			
Supply voltage:				
85...253 V a.c., 50...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			
set to customer's requirements*	X			
* - After agreeing with the manufacturer				

**ORDER EXAMPLE:**  
 Code **S4AO - 110000** 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: 20-060-00-000150  
 • lateral bus inter-module connector;  
 order code: 24-171-01-00016,  
 order code: 24-171-01-00017.

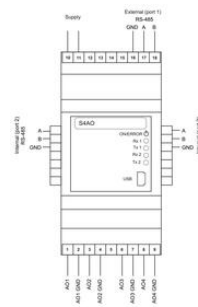


Fig. 1 Electrical connections of the S4AO module.

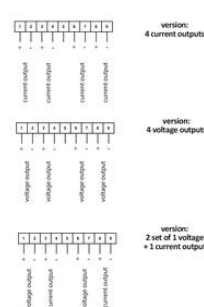


Fig. 2 Analog outputs versions.