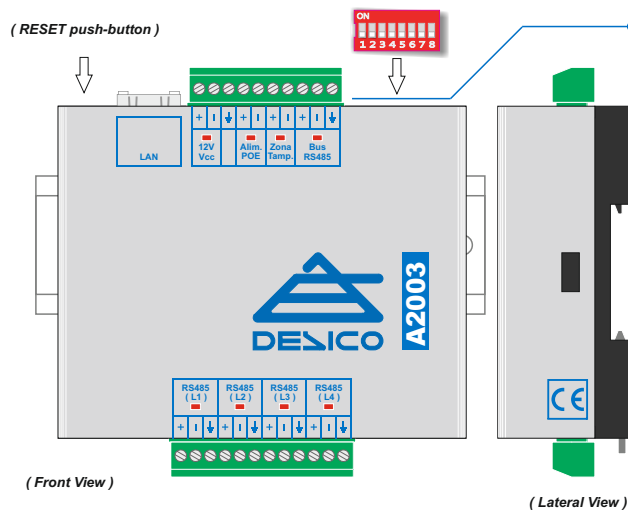


A2003 - ACCESS CONTROL CONTROLLER



MICROSWITCH SETUP:

Address A2003	1	2	3	4	5	6	7	8
Address 0:	off	off	off	off	off			
Address 1:	ON	off	off	off	off			
Address 2:	off	ON	off	off	off			
Address 3:	ON	ON	off	off	off			
Address 4:	off	off	ON	off	off			
Address 5:	ON	off	ON	off	off			
Address 6:	off	ON	ON	off	off			
Address 7:	ON	ON	ON	off	off			
Address 8:	off	off	off	ON	off			
Address 9:	ON	off	off	ON	off			
Address 10:	off	ON	off	ON	off			
Address 11:	ON	ON	off	ON	off			
Address 12:	off	off	ON	ON	off			
Address 13:	ON	off	ON	ON	off			
Address 14:	off	ON	ON	ON	off			
Address 15:	ON	ON	ON	ON	off			
Address 16:	off	off	off	off	ON			
Address 17:	ON	off	off	off	ON			
Address 18:	off	ON	off	off	ON			
Address 19:	ON	ON	off	off	ON			
Address 20:	off	off	ON	off	ON			
Address 21:	ON	off	ON	off	ON			
Address 22:	off	ON	ON	off	ON			
Address 23:	ON	ON	ON	off	ON			
Address 24:	off	off	off	ON	ON			
Address 25:	ON	off	off	ON	ON			
Address 26:	off	ON	off	ON	ON			
Address 27:	ON	ON	off	ON	ON			
Address 28:	off	off	ON	ON	ON			
Address 29:	ON	off	ON	ON	ON			
Address 30:	off	ON	ON	ON	ON			
Address 31:	ON	ON	ON	ON	ON			

Bus load A2003	1	2	3	4	5	6	7	8
On:						ON		
Off:						off		

Connection GND bus A2003	1	2	3	4	5	6	7	8
On:						ON		
Off:						off		

Connection GND bus A2003L	1	2	3	4	5	6	7	8
On:								ON
Off:								off

TECHNICAL INSTALLATION CHARACTERISTICS

Power supply:	12 Vcc \pm 2 Vcc.
	PoE Type 1 according 802.3af
Consumption:	Nominal (Max)
	300 mA. (350 mA.)
Weight:	102 gr.
Sizes:	Width x Height (with connectors) x Deep
	101 x 106 x 24 mm.
Temperature range:	-10°C + +55°C
Relative humidity without condensation:	< 93%
Installation:	DIN Rail (35mm,simetr.)

WIRE AND CONNECTION CHARACTERISTICS

Connection

Pluggable connector:	(max wire size 1,5mm)
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Bus wiring

Rs485 homologated wire, according ANSI EIA/TIA-485:	
-Flexible twisted shielded pair, section 0'25 - 0'35 mm2.	
-Low capacity (40 \div 50 pF/m).	
-Characteristic impedance 120Ohm.	
Maximum Rs485 bus length (with specified wire):	1200 mts.

INPUT / OUTPUT CONNECTIONS

Input connections:

Tamper state detection input:	Shortable, NC idle state
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Output connections:

12V Output from PoE:	According 802.3af Type 1, 12.95W* (Max)
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NOTE ABOUT PoE SUPPLYING:

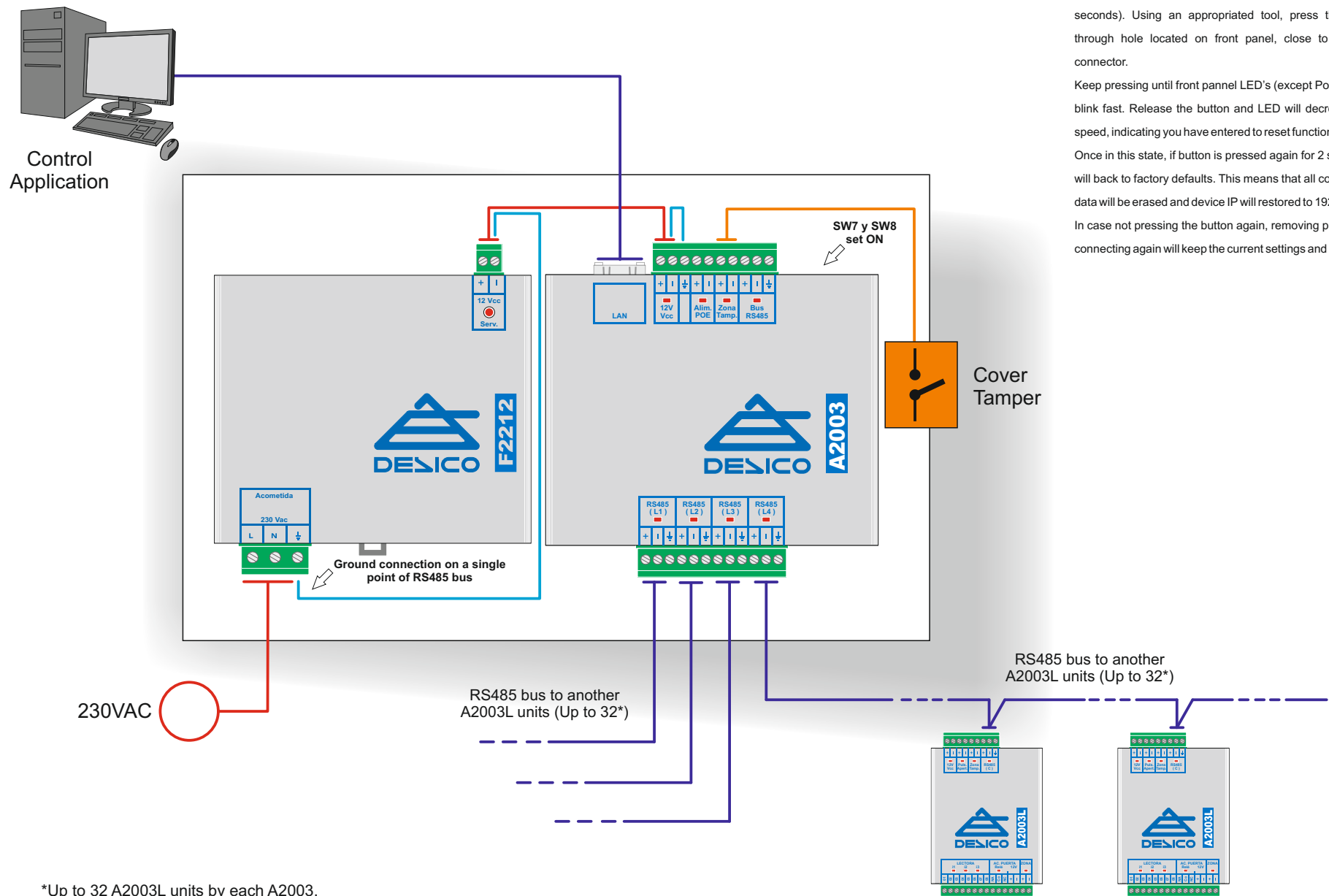
When using PoE, for devices supplying, there are some requirements related to auxiliary devices connection, like A2003L door units or door locks.

PoE supply is a floating supply type with an negative regulation path so is highly recommended to KEEP the PoE supplied devices TOTALY ISOLATED from another power supply devices on installation. So is not allowed to connect PoE supplied A2003, to an A2003L door units being feed by different power supply. RS485 connection between PoE and non PoE supplied devices can generate high potential differences on GND enough to cause damage on Bus components.

*To this theoretical maximum of 12.95W you have to subtract A2003 self consumption and apply a performance average about 80%.

A2003 - ACCESS CONTROL CONTROLLER

GENERAL CONNECTION VIEW (Simplified):



*Up to 32 A2003L units by each A2003.

BACK TO FACTORY DEFAULTS:

Start up the device, wait until 12V LED lights continuously (about 5 seconds). Using an appropriated tool, press the reset button through hole located on front panel, close to RJ45 Ethernet connector.

Keep pressing until front pannel LED's (except PoE LED), starts to blink fast. Release the button and LED will decrease its blinking speed, indicating you have entered to reset function.

Once in this state, if button is pressed again for 2 seconds, system will back to factory defaults. This means that all configurations and data will be erased and device IP will be restored to 192.168.1.252.

In case not pressing the button again, removing power supply and connecting again will keep the current settings and data.