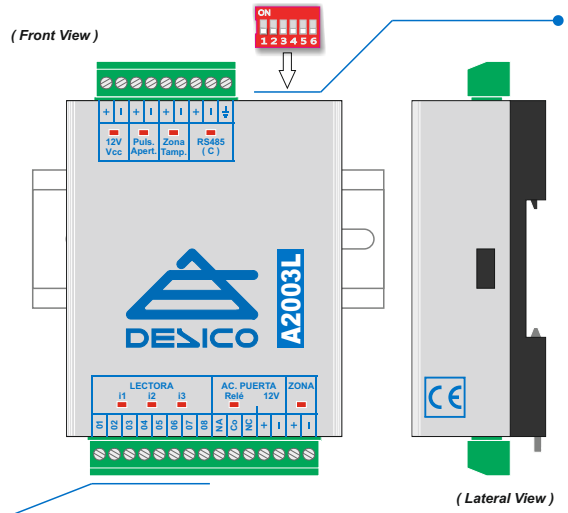
A2003L - DOOR CONTROL MODULE

HOJA TÉCNICA DE INSTALACIÓN

DESICO
DESARROLLO DE SISTEMAS INTEGRADOS DE CONTROL S.A.



MICROSWITCH SETUP:

Address A2003L	1	2	3	4	5	6
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**	

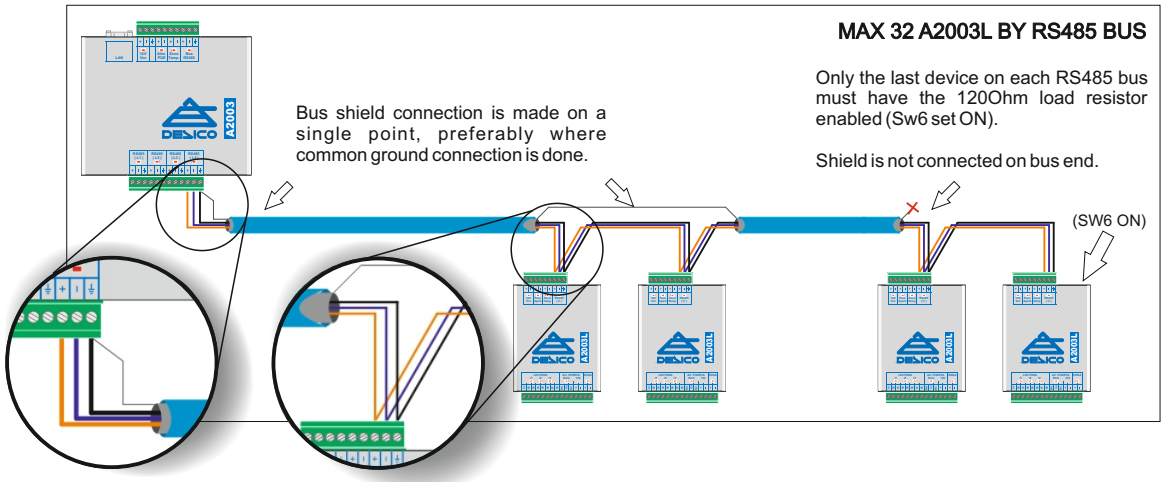
Rs485 Bus load	1	2	3	4	5	6
On:						**ON**
Off:						off

CONNECTION BY READER DEVICE TYPE:

	Wieggand	RS232	RS485
01	D1	Tx (←)	485 +
02	D0	Rx (→)	485 -
03	Gnd	Gnd	Gnd
04	Valid Access LED	*	*
05	Buzzer	*	*
06	Denied Access LED	*	*
07	Reader device supply, positive (+)		
08	Reader device supply, negative (-)		

*Optional.

RS485 BUS WIRING:



TECHNICAL INSTALLATION CHARACTERISTICS

Power supply:		12 Vcc ± 2 Vcc.
Consumption:	Nominal (Max)	120 mA. (180 mA.)
Weight:		102 gr.
Sizes:	Width x Height (with connectors) x Deep	67 x 106 x 24 mm.
Temperature range:		-10ºC ÷ +55ºC
Relative humidity without condensation:		< 93%
Installation:		Carril DIN (35mm,simetr.)

WIRE AND CONNECTION CHARACTERISTICS

Connection

Pluggable connector	(diam.max 1,5mm)

Bus wiring

Rs485 homologated wire, according ANSI EIA/TIA-485:

-Flexible twisted shielded pair, secction 0'25 - 0'35 mm2.

-Low capacity (40 ÷ 50 pF/m).

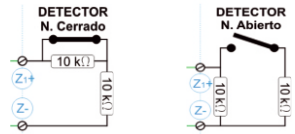
-Characteristic impedance 120Ohm.

Maximum Rs485 bus length (with specified wire):	1200 mts.

INPUT / OUTPUT CONNECTIONS

Input connections:

Multi standard reader device connection:	Wieggand, RS232, RS485
Tamper state detector input:	Shortable, NC idle state
Manual aperture button inputl:	Shortable, NO idle state
Door alarm input:	Supervised, configured by resistors



Output connections:

Reader device power output:	12V, 250mA* (Max)
Electric bolt power output:	12V, 250mA* (Max)
Electric bolt protections:	1A antiparallel diode (Max)
Opening relay isolated contacts:	NO + NC + Common
Max switching current opening relay capability (Resistive load):	5A @ 30Vdc

The additional current consumption from reader device and electric bolt must be added to nominal consumption of this equpment, when determining power supply charecteristics.

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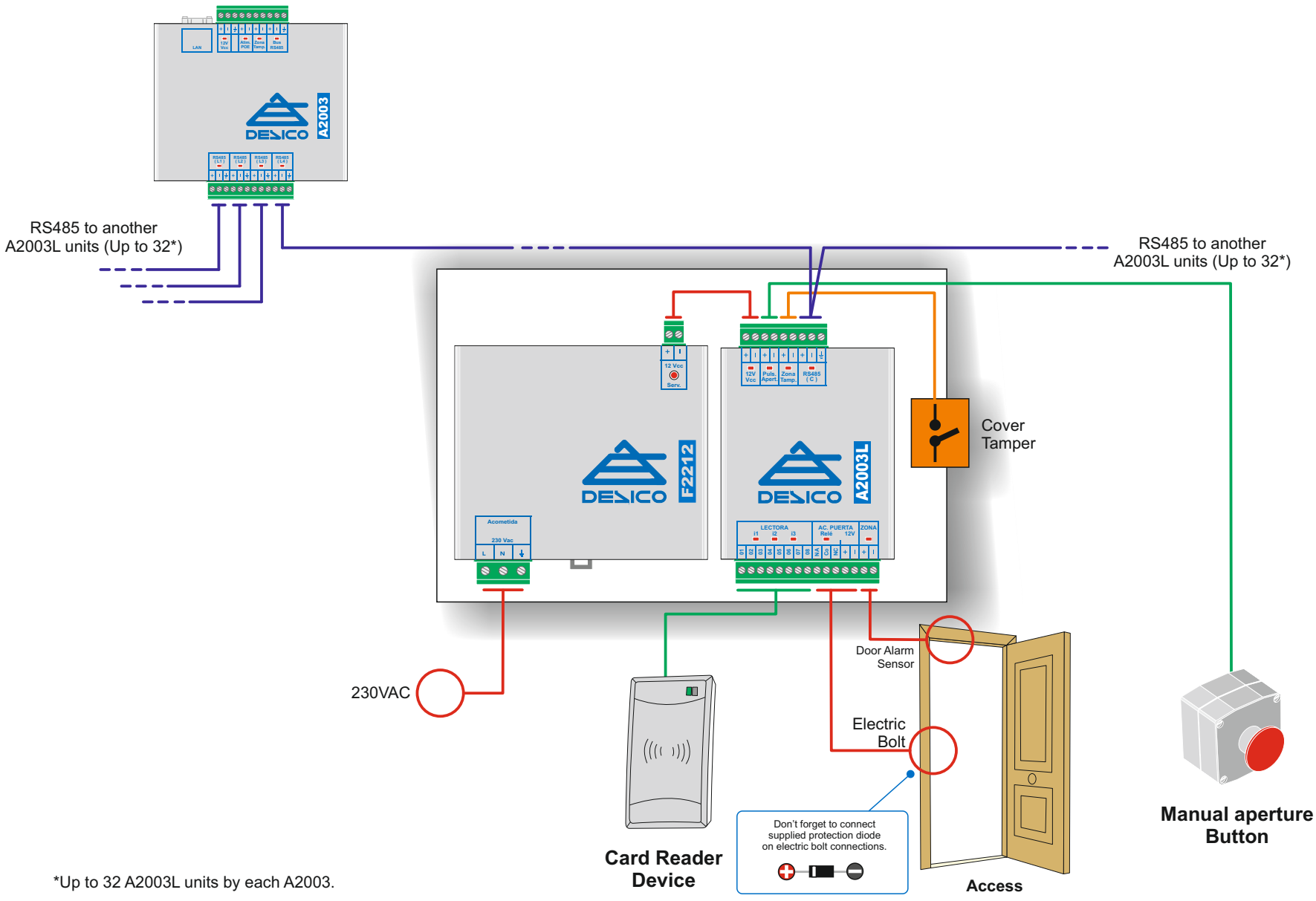
GENERAL CONNECTION VIEW (Simplified):



*Up to 32 A2003L units by each A2003.