



The 4LOCK⁴ is a simple and compact doors interlock panel for three or four doors. It's designed to control/restrict entry to and from areas where simultaneous opening of two or more doors is to be avoided and in all those applications where separation between up-to-4 environments is required. The accessories connection is mistake-proof thanks to the RJ45 plug-in system. The panel can be pre-set through a bank of dip switches and rotary switches for different configuration settings:

- Door configuration: doors in a room, doors in a corridor, mixed
- Doors at rest: Locked/Free
- Door lock type: electric strike /solenoid
- Traffic lights Red/Green with door locked at rest
- Recovery time setting



TECHNICAL CHARACTERISTICS

Power	24Vdc
Current (max)	Rating: 1.8A @ 24Vdc
Card power supply protection	1 fusible 5x20 3A – T250 Vac
Mechanical	Dimension: (185x125x35) mm Material: (ABS) Weight: 0.350 Kg (without packaging)
Operating temperature	(-10 ÷ + 50) °C
Certificates	2014/30/EU - (EMC) ELECTROMAGNETIC COMPATIBILITY 2014/35/UE - (LVD) LOW VOLTAGE DIRECTIVE
Harmonised standards and technical specifications	EN 62368-1:2014 - Part 1 EN 55011:2009 EN 61000-6-2:2005 - Part 6-2 EN 61000-6-3:2007 +A1 2011 - Part 6-3 EN 61000-6-4:2007 +A1 2011 - Part 6-4
Input	Port status: RJ45 or wire Remote door release: Wired (normally closed contact) Door release device: Wired (normally open contact)
Output	Lock: RJ45 or wire Automatic control: Wired (clean contact) External control: Wired (dry contact) Traffic light indicator: Plug (connection std. DOS&DONTS srl)
Door configuration	Door status: Door unlocked or locked at rest Lock operation: Anti-panic or safety

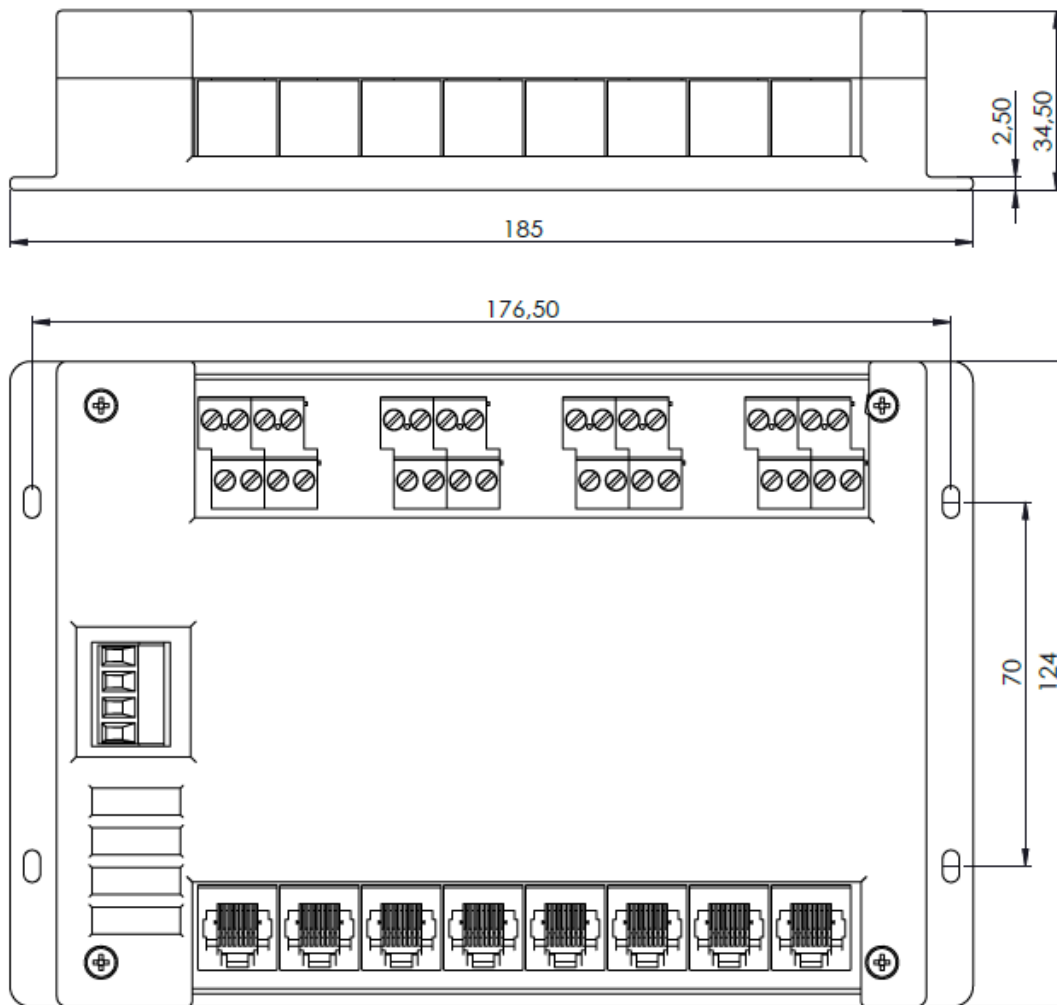
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	Lock type:	Electric strike or solenoid
	Traffic light signal - 1:	Accessibility to the gate (green with unlocked door)
	Traffic light signal - 2:	Lock status (red with door locked)
System configuration	Nb. of connected ports:	3/4
	Interlock types:	Room, corridor, 3+1 (only for 4 doors)
	Time base:	Seconds or minutes
	Timing:	(0-99) minutes
Relay output configuration	The output can act as a command of an external device or as a command for the automation	
Remote input connection (example emergency button)	The 4LOCK control unit is equipped with a remote input used with the function of unlocking doors for maintenance. The input must be controlled with a potential-free N.C. contact.	



DIMENSION

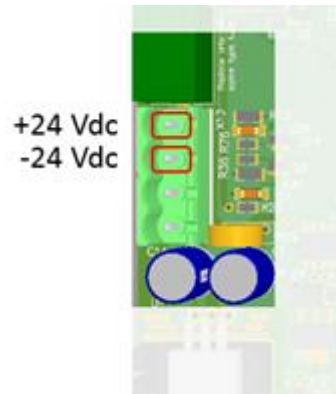


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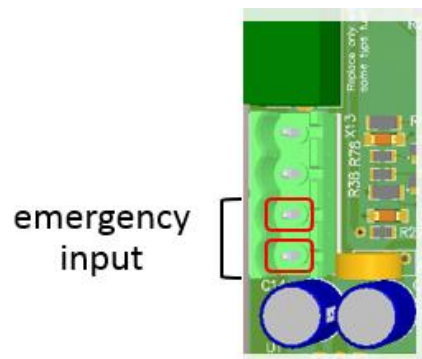


CONNECTIONS

Power

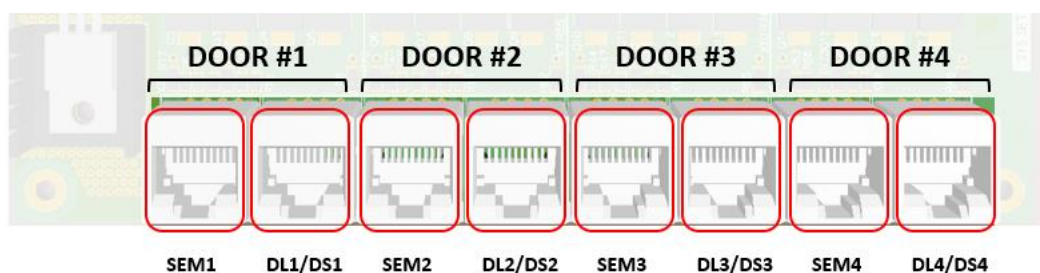


Emergency input connection



RJ45 connection

Connect the cables of the port indicator lights to the SEMn connector and connect the cables of the port status contact to the DLn/DSn connector.



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Remote terminal connection

TERMINAL CONNECTIONS	
Function	Notes
Electric lock	Connect the electromagnet power supply contact to the terminals DLn, having care to connect the lock according to the right polarity (+24V on SX side and 0V on DX side)
Door status	Connect the door status contact to the terminals indicated with DSn
Badge reader	Connect the N.O. potential-free contact of a badge reader to the INn-CR input. The contact closes when the badge is inserted into the badge reader. TTENTION: The badge operation requires that the door is configured as locked at rest, therefore it is necessary to configure the control unit by setting the DIP-switches on the board)
Relay output	Connect the load to the terminals identified as OUTn (C and NO). The relay output consists of a potential-free N.O. contact and can be used to control the opening command of an automatism or to signal the timing status on the board. The N.O. contact switches to N.C. when the output is activated and remains in this state until the end of the condition.

