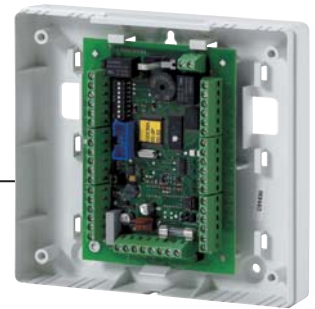


Tema-Voyager™ Door Modules

Get the maximum from your Access Control



The Tema-Voyager Door Module allows you to improve the complexity of your gate with additional I/O to be added to the ones of the Tema-Voyager Compact terminal.

The usage of a Tema-Voyager Door Module in conjunction with the Tema-Voyager Compact terminal allows maximising the security of your system when the terminal is installed on the unsecure side of the gate.

The Tema-Voyager Door Module can be connected to Tema-Voyager Compact terminal via RS485 bus supporting encrypted communication.

This architecture will allow complete control of the gate as well as independency from the status of the LAN for a total autonomy of the gate even in case of any problem in the communication with the supervisory level.

The Tema-Voyager Door Module is available in two models offering the same functionalities in terms of I/O and different solely for the power supply used.

The VCA-039002 Door Module is without internal power supply, it needs to be connected to an external 12V DC power supply.

The VCA-049002 Door Module has internal power supply and battery.

The VCA-049002 is supplied with 230V AC and can supply up to 12V DC - 500mA to an external device (typically to power a Tema-Voyager Compact device).

KEY FEATURES

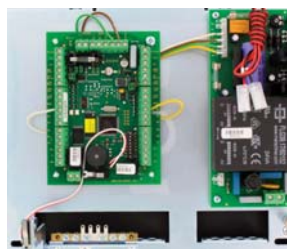
The following features are common to both the door modules.

- AES encrypted communication with 128 key length and dynamic change of the key
- Tamper resistant (anti opening)
- Internal LED to inform about device status and communication status
- Possibility to drive an external local buzzer for example to warn that the door has been left open

SPECIFIC FEATURES FOR VCA-049002

Power supply characteristics

- Voltage regulated
- Current limited
- Battery monitoring
 - Battery failure detection
 - Charge monitoring
- Total discharge protection



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SPECIFICATIONS

Technical	VCA-039002	VCA-049002
Construction	Anti-Opening mechanical Tamper, plastic housing	Anti-Opening mechanical Tamper, plastic housing with metal back-plate
Connectivity		
Connected to Tema-Voyager Compact Terminal via	RS485 line with AES encrypted communication	RS485 line with AES encrypted communication
Electrical		
Supply voltage	12V DC nominal; 10V to 15V	230V AC (-15%, +10%)
Power consumption	4,32W (360mA @ 12VDC)	34W (150mA @ 230VAC)
Inputs	Two digital inputs; status of: Open, Closed (IN3 and IN4) Four supervised inputs; status of: Normal, Alarm, Cut, and Short (IN5, IN6, IN7, IN8)	Two digital inputs; status of: Open, Closed (IN3 and IN4) Four supervised inputs; status of: Normal, Alarm, Cut, and Short (IN5, IN6, IN7, IN8)
Outputs	Two relay outputs: 3A, 24V (OUT3 and OUT4) One open collector: Transistor to 0V, max. 15V DC, current limited max. 12mA. (OUT5)	Two relay outputs: 3A, 24V (OUT3 and OUT4) One open collector: Transistor to 0V, max. 15V DC, current limited max. 12mA. (OUT5)
Battery	N/A	12V, 2Ah Not supplied Recommended batteries: <ul style="list-style-type: none">• Sonnenschein A512/2 S NGA5120002HSOSA• FIAMM FG20201• EXTRACELL 30/4560
Battery life	N/A	3 years at 25°C
Mechanical		
Dimensions	163 x 152 x 40 mm	250 x 210 x 100 mm
Weight	400 g	2500 g (without battery) 900 g the battery
Environmental		
Operating Temperature	-5 °C to +55 °C	-5 °C to +55 °C
Storage Temperature range	-25 °C to +70 °C	-25 °C to +70 °C
Storage humidity	0°C to +95°C, non condensing	0°C to +95°C, non condensing
IP Rating	IP30	IP30
Regulatory		
Certifications	CE (2004/108/EG) EN 55022:2008-05 EN 50130-4:2003-09	CE (2004/108/EG) LVD (2006/95/EG) DIN EN 55022:2008-05 DIN EN 61000-3-2:2010-03 DIN EN 61000-3-3:2009-06 DIN EN 50130-4:2003-09 DIN EN 60950-1:2011-01
Environmental	Rohs/WEEE-compliant – directives 2002/95/EC 2002/96/EC	Rohs/WEEE-compliant – directives 2002/95/EC 2002/96/EC

Tema-Voyager™ Door Modules

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ORDERING

Tema-Voyager Door Module	
VCA-039002	Tema-Voyager Door Module
VCA-049002	Tema-Voyager Door-Module device with power supply. This device can allocate a battery to supply up to 4 hours of autonomy when supplies the Tema-Voyager Compact. Battery is not included.
Accessories	
VCS-BTT	Battery for Door-Module VCA-049002

More information:

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