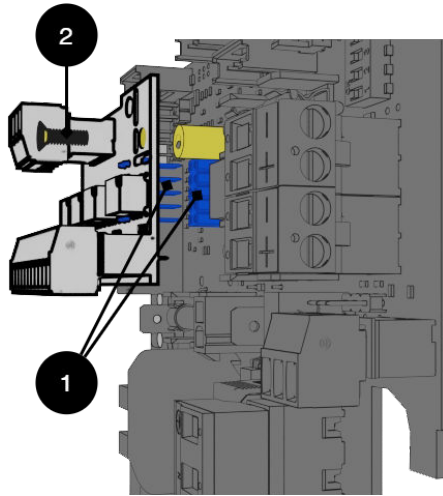


TECHNICAL SPECIFICATIONS: RELAY CARD NOVA SERIES (PRO3)

With 4 pcs. relay outputs for systems supplied with PRO3 motherboards.

Installation of Relay card NOVA Series on motherboard-PRO3

Relay cards are mounted on terminals on motherboards



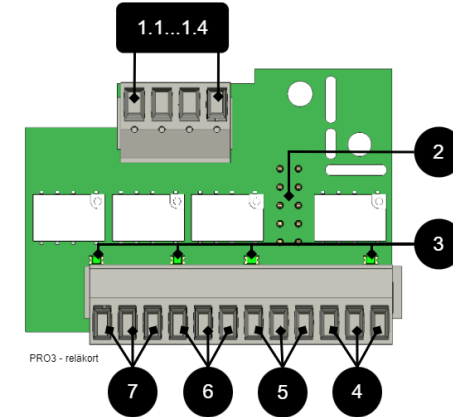
Mounting

No	Explanation
1	Pin and pin strip for connection.
2	Screw to secure mounting.

Card Description - Relay Card NOVA Series (PRO3)

Relay card - description, connections and alarm outputs.

- All fault arm relays must be in the drawn state. Check that there is a gap between CO and NC. Put the measuring instrument on continuity measurement and test closure. This should then indicate a short circuit.
- All relay outputs are normally live and give an alarm in the event of no voltage.



No .	Terminal no.	The relay is normally energized.	Alarm type / explanation
1.1...1.4	P4:1	-	GND, protective earth
	P4:2	-	RX
	P4:3	-	TX
	P4:4	-	+5V
2	JU5	-	Connection to motherboard.
3	D2-D6	-	Indicator diode, lit green when OK.
4	P5:10-12	NC, COM, NO	Alarm from tamper switch, (optional for NEO and EN54).
5	P5:7-9	NC, COM, NO	Low system voltage.
6	P5:4-6	NC, COM, NO	Alarm for fuse failure, charger failure over-voltage, charger failure undervoltage, battery not connected, low battery voltage in case of mains failure and aged battery*. *NOVA only.
7	P5:1-3	NC, COM, NO	Mains failure alarm.

Technical data, alarm card for PRO 3 / NEO3

Info	Explanation
Card name:	PRO 3
Version:	1.2
Product description	Motherboard in battery backup with advanced functions and communication to superior systems.
Recommended environment	Indoors, class 1. Ambient temperature: + 5 ° C - 40 ° C.
Protection class	IPX0
Recommended installation	NOVA Series (only 5 A and 10 A)
Input voltage	13.6 VDC, 27.3 VDC
Self-consumption	40 mA
Alarm via	Alternating relay
Number of alarm outputs	4 pcs
Certified according to	EN 50131-6, SBF 110: 8, SSF1014, Meets alarm class 4, SSF 1014, edition 5
Certificate number (SBSC)	20-117
The product meets the requirements according to	CE directive according to: 765/2008, EMC Directive 2014 / 30EU, Emission: EN61000-6-: 2001, EN55022: 1998: -A1: 2000, A2: 2003 Class B, EN61000-3-2: 2001, Immunity: EN61000-6-2: 2005, EN61000-4-2, -3, 4, -5, -6, -11. SS-EN 50 130-4: 2011 Edition 2 & SSF1014 Alarm class 1-4 (Burglar alarm).
Producer	Milleteknik AB
Country of origin	Sweden

Manufactured in Milleteknik's factory in Partille, Sweden.

This translation is not verified and should be cross referenced with the swedish original before use.

Alarm overview

Alarm overview in alphabetical order	Relay 1 * / Alarm output 1	Relay 2 * / Alarm output 2	Relay 3 * / Alarm output 3	Relay 4 * / Alarm output 4	Communication (P5: 1-9)	Indicator LED on main card and LED on door.
Network outages	X	-	-	-	X	X
Fuse fault	-	X	-	-	X	X

Alarm overview in alphabetical order	Relay 1 * / Alarm output 1	Relay 2 * / Alarm output 2	Relay 3 * / Alarm output 3	Relay 4 * / Alarm output 4	Communication (P5: 1-9)	Indicator LED on main card and LED on door.
Sabotage switch	-	-	-	X	X	X
Fan fault	-	-	-	-	X	-
Charger fault, overvoltage	-	X	-	-	X	X
Charger fault, undervoltage	-	X	-	-	X	X
Cell fault or unconnected battery	-	X	-	-	X	X
Low system voltage.**	-	-	X	-	X	X
Low battery voltage (<24.0 V DC) or power failure	-	X	-	-	X	X
Overtemperature	-	-	-	-	X	-
Undertemperature	-	-	-	-	X	-
Undertemperature	-	-	-	-	X	-
Short battery life left	-	-	-	-	X	-
Aged battery	-	X **	-	-	X **	X **
Overcurrent 100%, minute average	-	-	-	-	X	-
Overcurrent 80%, daily average	-	-	-	-	X	-
Overcurrent 175%, second average	-	-	-	-	X	-

* Alarm on potential-free relay contact.

*** Not on NEO battery backups.

RS-485 on relay board

RS-485 on P4: 1-4	Explanation
P4:1	GND
P4:2	RX
P4:3	TX
P4:4	+5V

About translation of this document

User manual and other documents are in the original language in Swedish.
Other languages are machine translated and not reviewed, errors may occur.

Address and contact details

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