

Technical Information iSafePro 360 – VEXT4 4 Door Controller



CONTENTS

CONTENTS	2
ACKNOWLEDGEMENT	3
INFORMATION AND RECOMMENDATIONS	4
TECHNICAL CHARACTERISTICS	5
1) V-EXT4.....	5
2) V-EXT4-220.....	5
3) PROTECTION.....	5
CONNECTING A DEVICE USING THE WIEGAND OR CLOCK & DATA PROTOCOL	6
CONNECTION TO THE VERSO 360 UNIT	7
CONNECTING A POWER LOSS BOLT AND AN ELECTROMAGNETIC DOOR LOCK OPERATING ON POWER LOSS	8
CONNECTING A STANDARD POWER-ON DOOR LOCK	9
SETTING UP THE MODULE IN VISOR 360	10
FUNCTIONS OF THE TERMINALS	11

ACKNOWLEDGEMENT

Dear client,

*You have just purchased an “iSafePro 360 **VEXT-4**” extension module.*

We thank you for your interest in our products.

If you want more information about our range, please don't hesitate to contact your dealer.

We wish you every success with your installation.

Immotec Systems, Inc.

www.immotec.ca

INFORMATION AND RECOMMENDATIONS



Pursuant to European directive UTE C00-200, incorporating directives 89/336 EEC and 92/31 EEC, VEXT-4 complies with the following standards:

- NF EN 50081-1 governing electromagnetic radiation, and
 - NF EN 50082-1 governing electromagnetic susceptibility.
- o **Cabling recommendations:** the cables used to connect readers, the network and other peripherals must be installed in accordance with the instructions for Level 2 (protected environment) of standard NF EN 61000-4-4.
- o **This product must be installed by an approved company.** Incorrect installation and use may result in electric shock or fire. Before installation, read the technical information and comply with the recommendations for assembling the product.
- o **For the 220V version, once the power is turned off, all the internal capacitors will discharge themselves to a safe level after 60 seconds under normal conditions. However, in the event of a power failure, the charge may be maintained for much longer and suitable precautions should be taken before handling the product.**

TECHNICAL CHARACTERISTICS

1) *iSafePro 360 V-EXT4*

Maximum power consumption	400 mA
Supply voltage	9 – 14VDC
Weight with housing.....	200 g
Housing dimensions.....	157 x 120 x 30 mm
Operating temperature.....	- 20°C to + 50°C
Control relay.....	1A / 12V – 1A / 24V

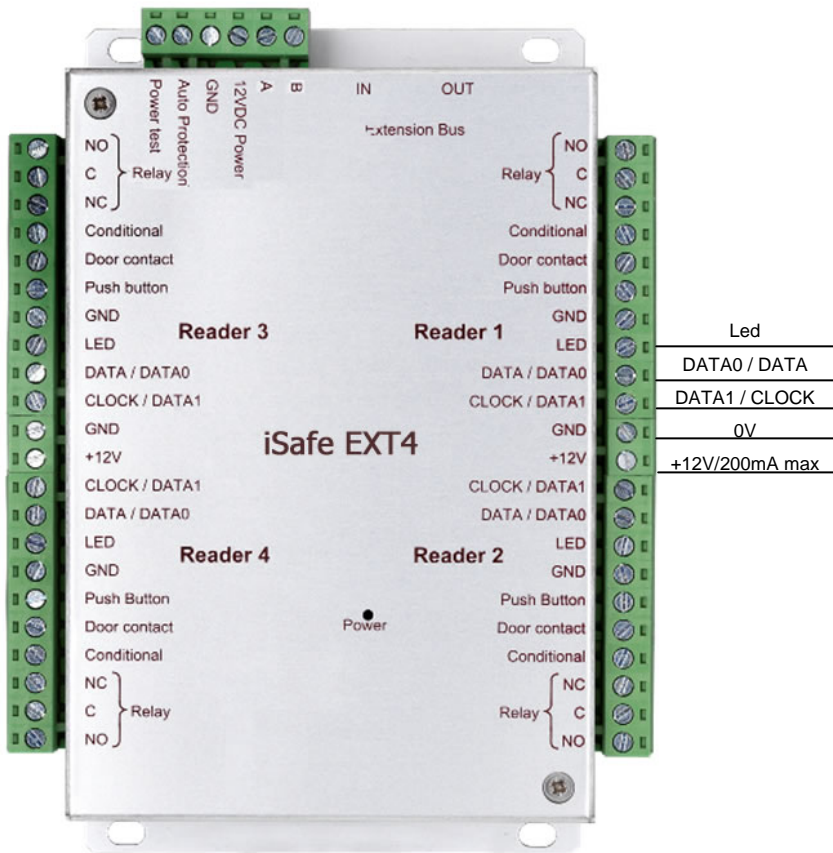
2) *iSafePro 360 V-EXT4-220*

Weight with housing.....	4 kg
Housing dimensions.....	330 x 275 x 80 mm
Operating temperature.....	- 20°C to + 50°C
<i>Integrated 220V power supply:</i>	
Output voltage.....	12V
Maximum output current	F2.5A F1.6A F0.5A F0.5A
Battery connection	12V, 7Ah (size L x D: 151 x 65 mm)
Control relay.....	1A / 12V – 1A / 24V

3) **PROTECTION**

The module is fitted with a 5x20 1A fuse on the 12V input inside the housing. If the power light does not come on when the module is switched on, check this fuse.

CONNECTING A DEVICE USING THE WIEGAND OR CLOCK & DATA PROTOCOL



WIEGAND:

- o Proximity readers (HID, INDALA, etc.)
- o Key pads (HID, etc.)
- o Biometric readers
- o Radio receivers

CLOCK & DATA:

- o Magnetic strip readers
- o Barcode readers
- o Proximity readers
- o Radio receivers

Information:

5 conductors (3 pairs recommended)

Max. distance: 150 m

Cable type: 0.6 mm (SYT recommended)

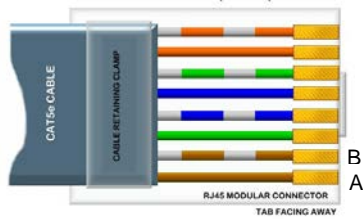
Shield: Optional

Warning: Do not install the cables near other high voltage or high current cables, particularly 220V or higher.

Note: Each reader can have different technology (e.g. Reader 1 using Wiegand, Reader 2 using Clock & Data).

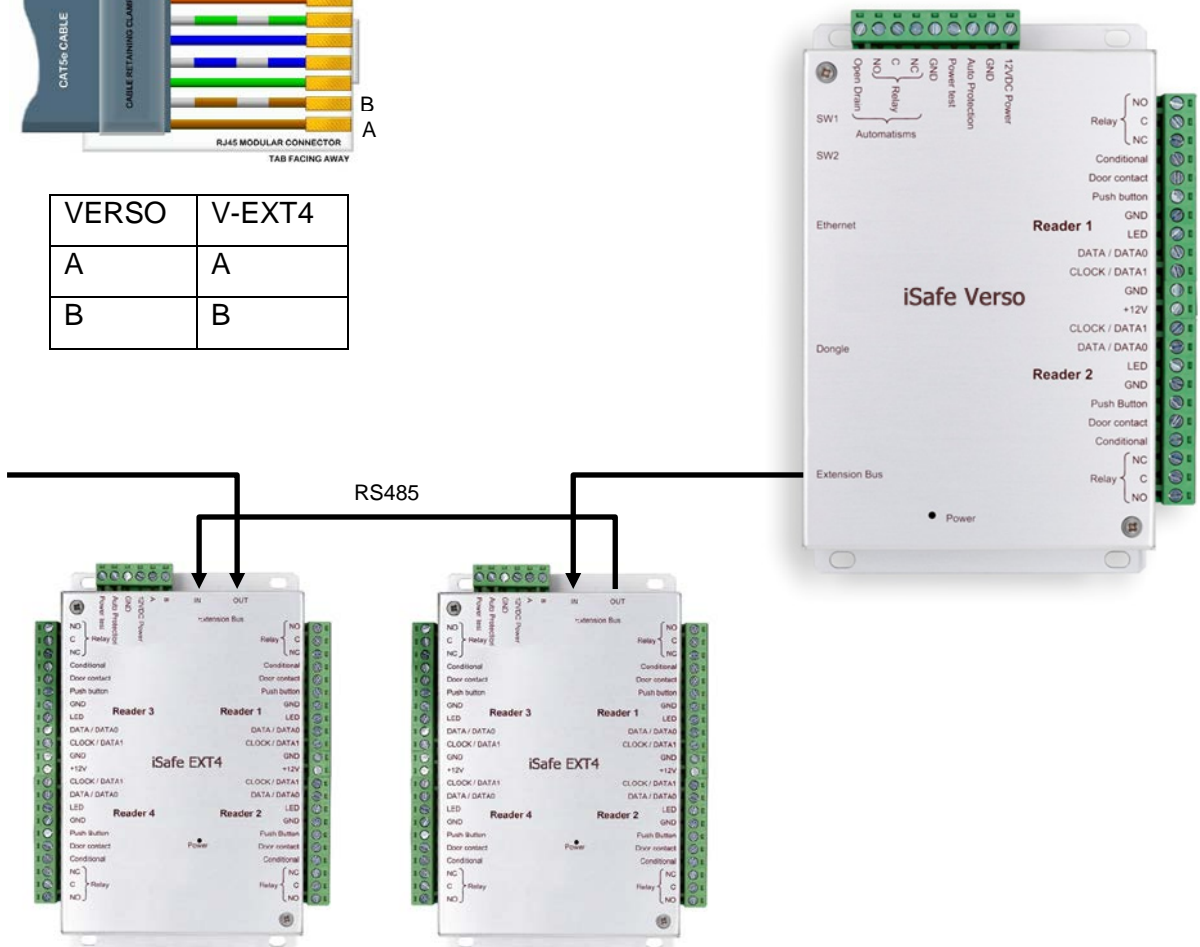
Warning: If you use an external power supply for your proximity readers, take care to **connect the various earths to that of the module.**

CONNECTION TO THE VERSO UNIT



VERSO	V-EXT4
A	A
B	B

Up to 10 modules per VERSO



You can also use the A and B terminals on the V-EXT4 modules to connect an RS485 bus.

Information:

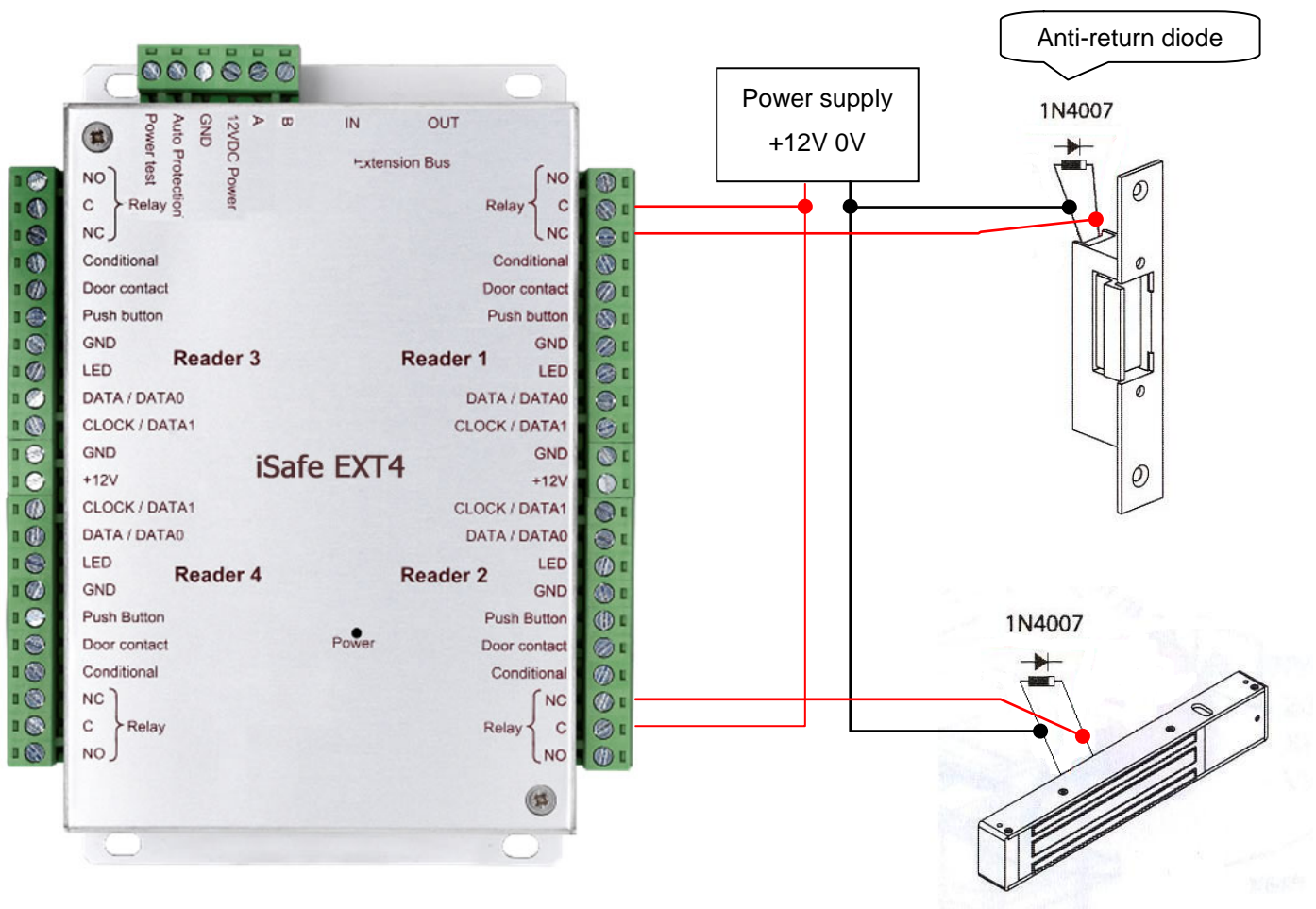
2 conductors (2 pairs recommended)

Max. distance: 750 m

Cable type: 0.6 mm (SYT recommended)

Warning: Do not install the cables near other high voltage or high current cables, particularly 220V or higher. Use the same pair for the A and B lines.

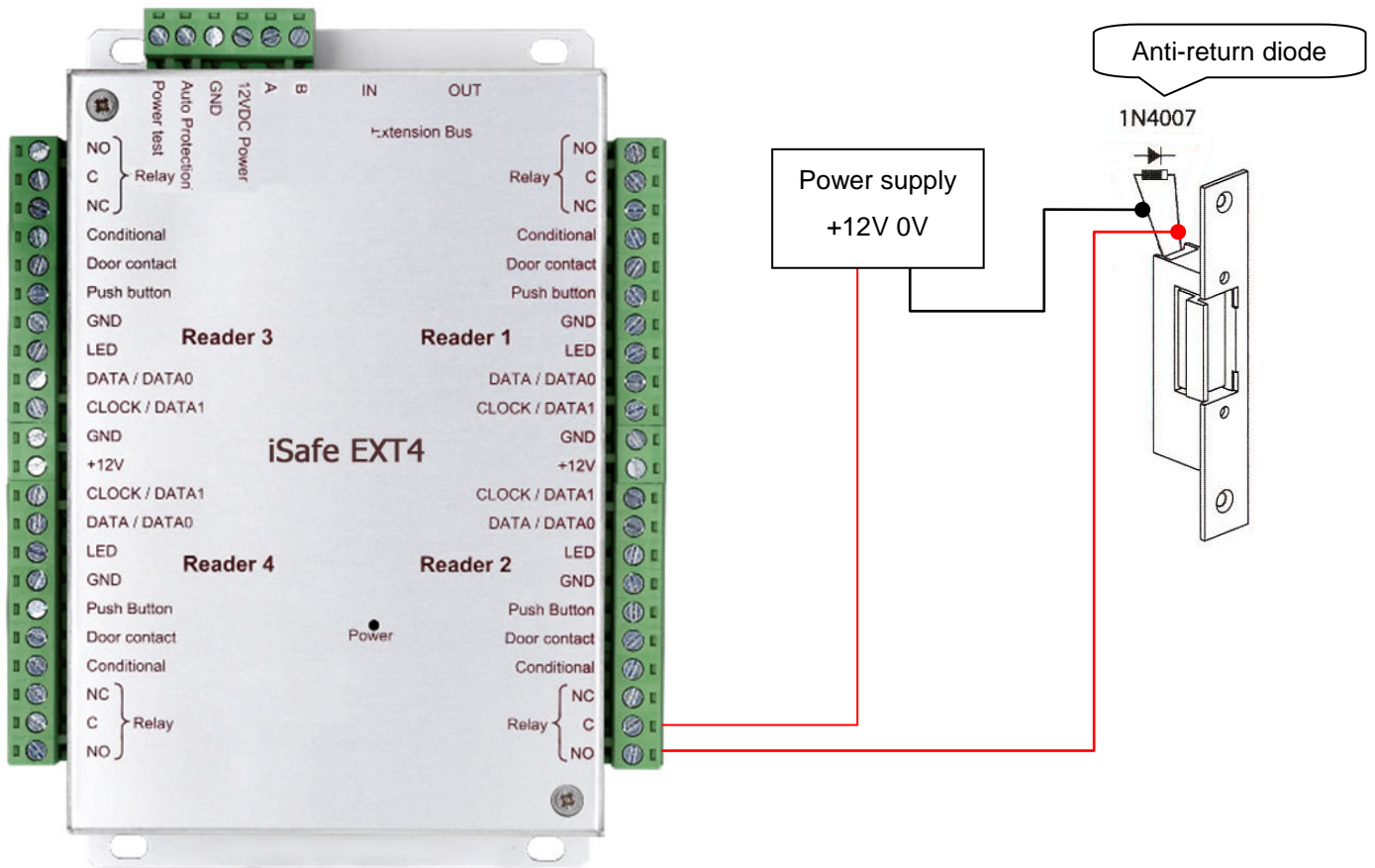
CONNECTING A POWER LOSS BOLT AND AN ELECTROMAGNETIC DOOR LOCK OPERATING ON POWER LOSS



Warning: In order to prevent random malfunctions that may interfere with proper system operation due to back-currents, it is imperative to use and connect the anti-back-current diodes supplied with the unit in compliance with the cabling diagram above.

Even when using an additional uninterruptible power supply for locking separate to that of the unit, it is obligatory to follow the above cabling diagram.

CONNECTING A STANDARD POWER-ON DOOR LOCK



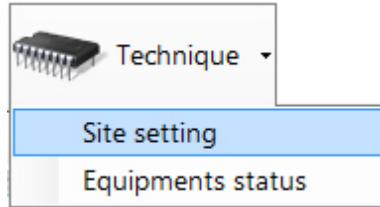
Warning: In order to prevent random malfunctions that may interfere with proper system operation due to back-currents, it is imperative to use and connect the anti-back-current diodes supplied with the unit in compliance with the cabling diagram above.

Even when using an additional uninterruptible power supply for locking separate to that of the unit, it is obligatory to follow the above cabling diagram.

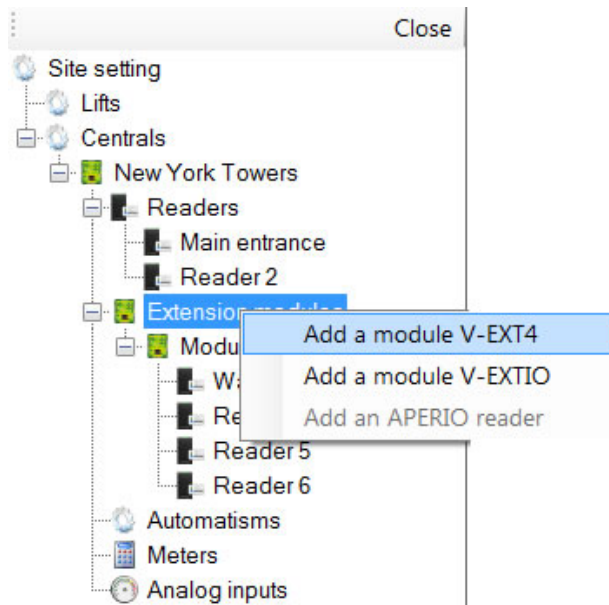
SETTING UP THE MODULE IN VISOR 360

To configure your VISOR 360 software, you will need the module identifier. This is printed on a sticker on the top of the housing (e.g. ID: 00001). Make a note of this number.

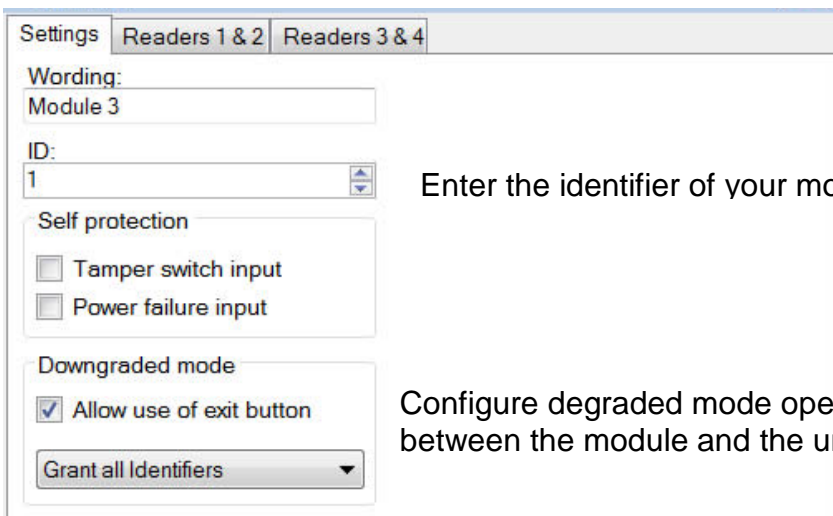
Click on the “Technique” (Settings) button and then “Site setting”.



Under the unit your module is connected to, click on “Extension Modules” and then “Add a module V-EXT4”.



The following window will then be displayed:



Enter the identifier of your module

Configure degraded mode operation (loss of connection between the module and the unit)

FUNCTIONS OF THE TERMINALS

