



# **INSTALLATION CABLING**



**IPGUARD MINI** 



**IPGUARD PRO** 



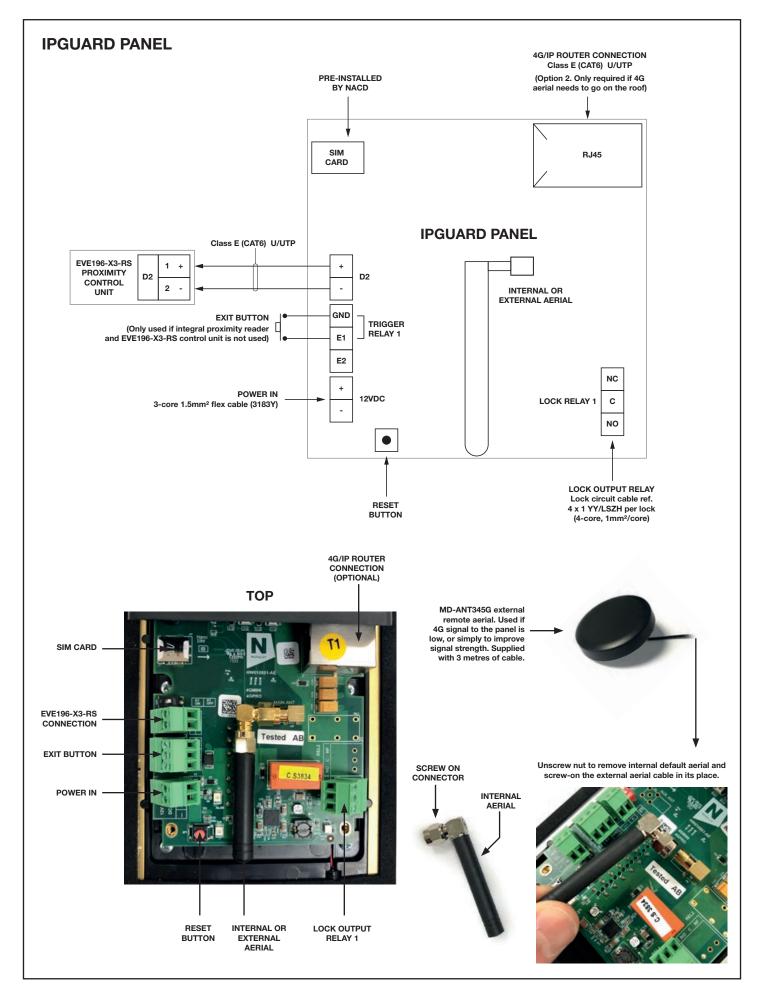




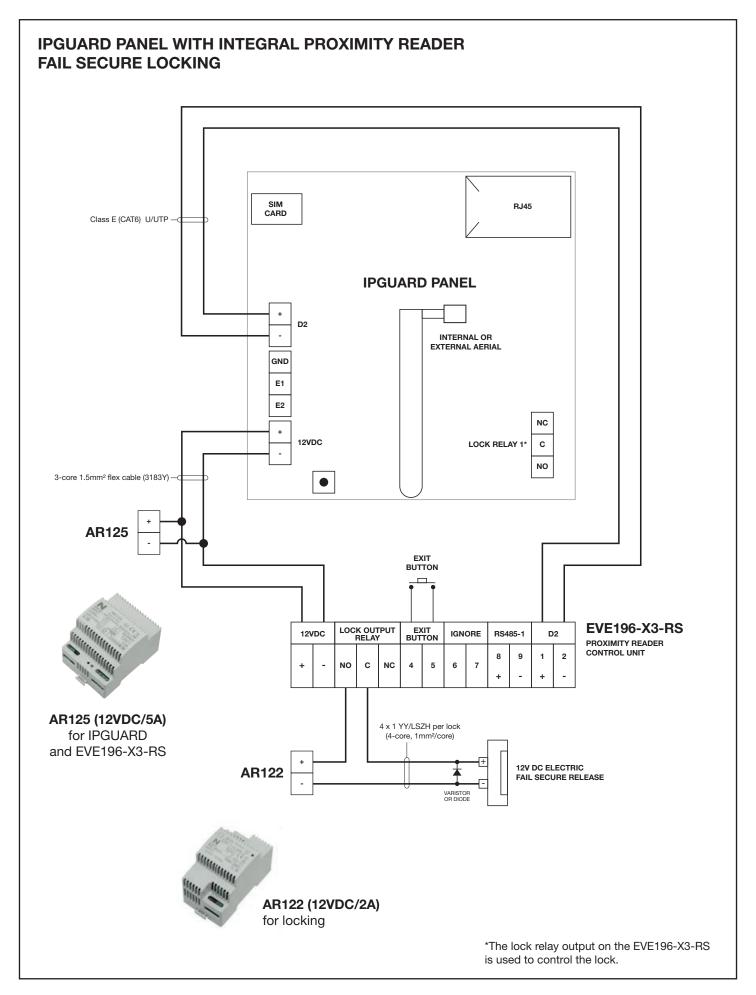
24/7/365 REAL-TIME CLOUD MANAGEMENT baticonnect.com



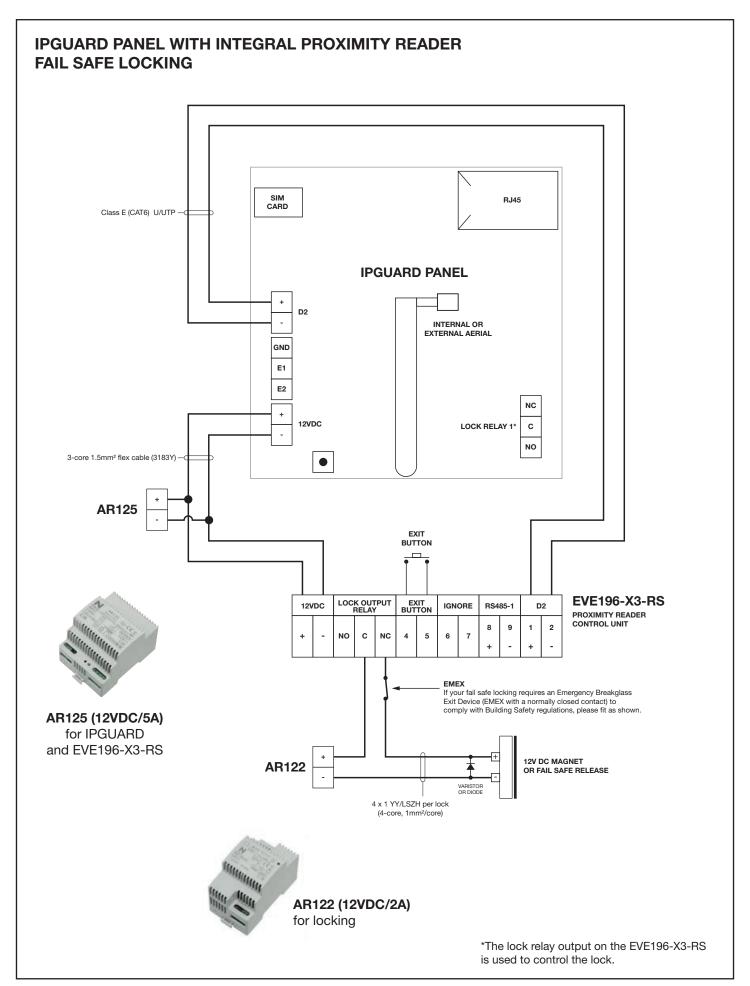






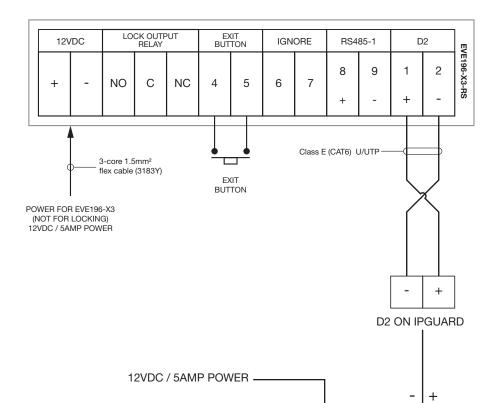








# EVE196-X3-RS PROXIMITY READER CONTROL UNIT FOR PROXIMITY READER INTERNAL TO IPGUARD PANEL





EVE196-X3-RS

воттом



**TOP** 

# **IPGUARD PANEL**

\*The lock relay output on the EVE196-X3-RS is used to control the lock.



EXTRA PROX DOORS ONLY

# **PROXIMITY READERS**



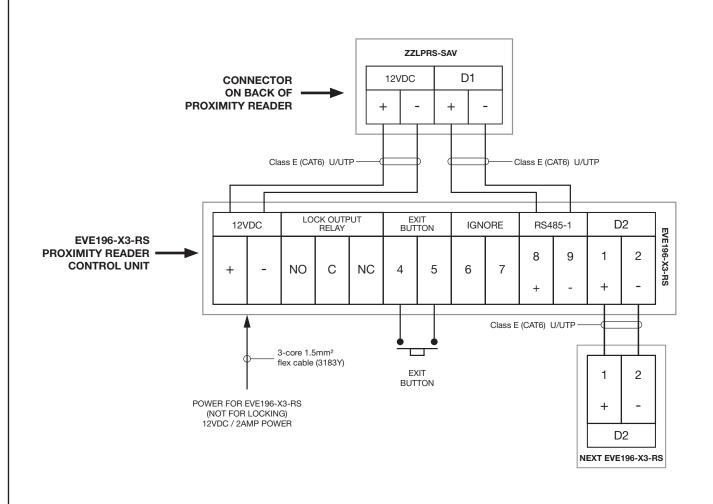




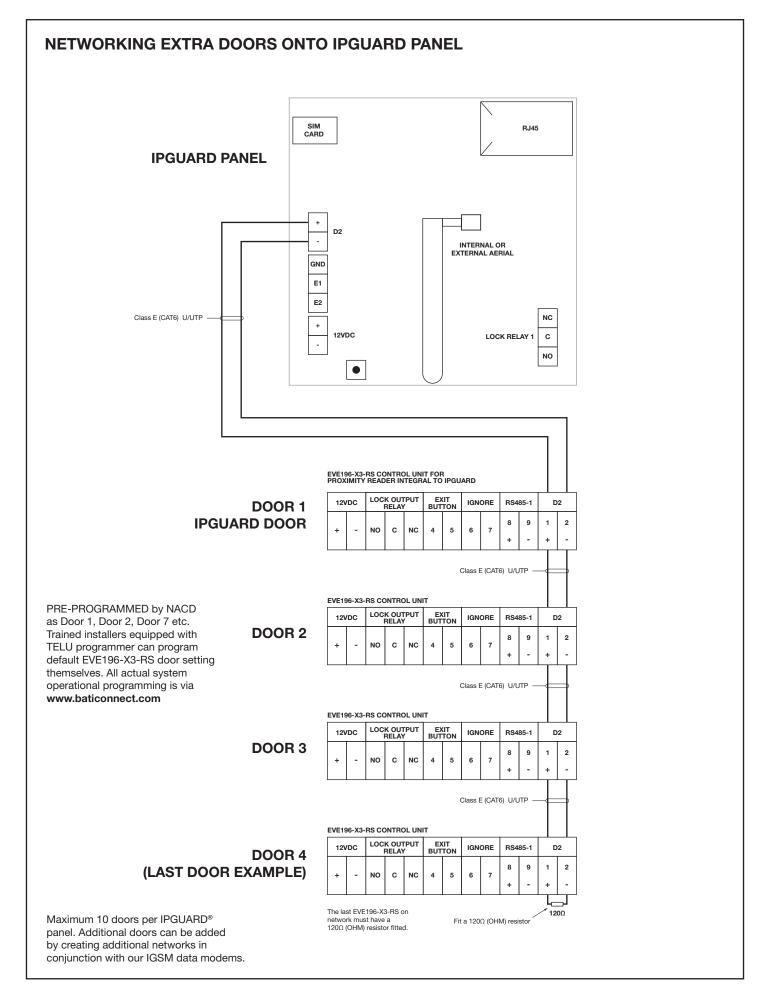
PX10 range

**PX11 range** 

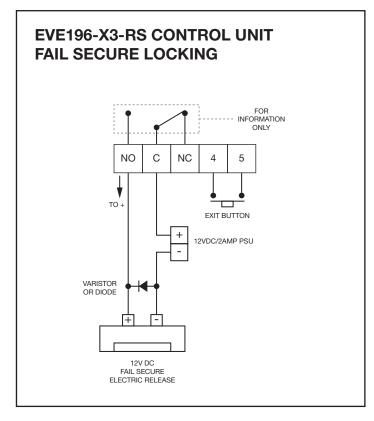
LPTRS (T25)

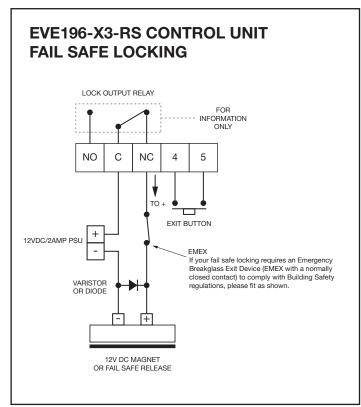


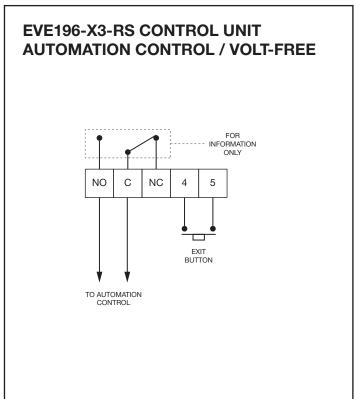








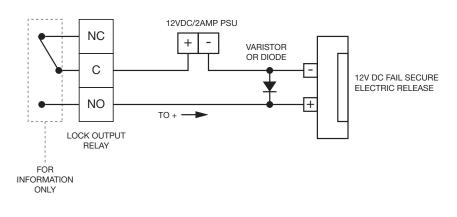






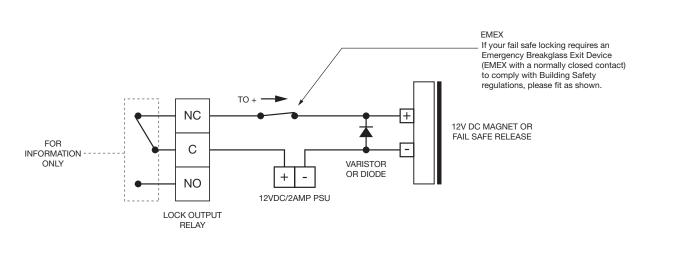
# **FAIL SECURE LOCKING IPGUARD RELAY 1**

(Only used if integral proximity reader and EVE196-X3-RS control unit is not used)



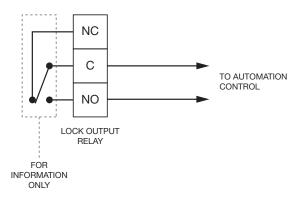
# **FAIL SAFE LOCKING IPGUARD RELAY 1**

(Only used if integral proximity reader and EVE196-X3-RS control unit is not used)



# **AUTOMATION CONTROL / VOLT-FREE IPGUARD RELAY 1**

(Only used if integral proximity reader and EVE196-X3-RS control unit is not used)

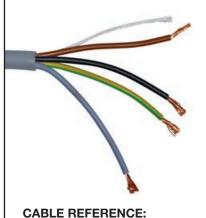




# LOCKING CIRCUIT CABLE 4 x 1 YY/LSZH (3184B LSZH)

Q13026

power supply location: 50 metres for 1 amp lock 30 metres for 2 amp lock



Maximum distance from locking to Fail safe locking relies on the locking receiving the correct voltage and current. Fail secure electro-mechanical locking always requires a 3rd core control cable. Only industry reference 4 x 1 YY/LSZH cabling (or Fire Protected equivalent, if applicable) is to be used. Alarm, data or communications cabling; for example; CAT5E, CW1308 is unacceptable.

Conductors:	Flexible copper, class 5.	
Core identification:	4 core: brown, grey, black, green/yellow	
Insulation:	LSZH	
Sheath/Jacket:	LSZH	
Colour:	Grey	
Voltage:	300/500V	
Operating temperature:	-5°C / + 70°C	
Minimum bending radius:	6 x overall diameter	
Standards:	BS EN 50525-3-11, EN 61034-2, EN 60332-1-2.	

Core size sq.mm	No of cores	Radial thickness of insulation mm	Nominal overall diameter mm	Weight kg/km
1	4	0.6	7.9	99

T: 01322-441165 Product ref: 3184B-Grey Part number: 45574 www.batt.co.uk

# PROTECTION VARISTOR OR DIODE FOR LOCKING

The use of a varistor or diode protects electrical equipment from transient voltage spikes.

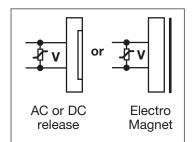
# **Varistor**

4 x 1 YY/LSZH PER LOCK



Fit the varistor close to the AC or DC release or the DC magnet.

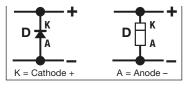
Varistor is polarity insensitive.

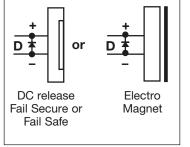




Fit the diode ref. IN4001 close to the DC release or electro-magnet.

Respect polarity of the diode. Incorrect fitting of a diode will cause a short circuit.





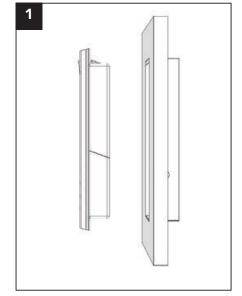
# CABLES CPR COMPLIANT TO CCA, S1B, D2, A2 OR BETTER

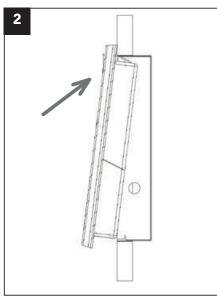
Refer to Construction Products Regulations (CPR)-BS6701 and ISO/IEC 11801-6: 2017 Part 6: Distributed Building Services (or BS EN 50173-6:2018 Part 6: Distributed Building Services).

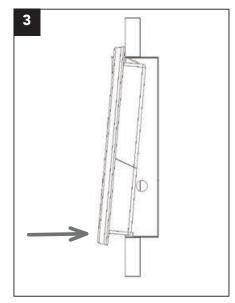
- 1. Only use CPR compliant cabling.
- 2. Never use BT cable ref. CW1308 for digital video/audio systems.
- 3. Make sure duct or external grade cable equivalents are used whenever applicable.
- 4. Any and all system/equipment guarantees relating to correct functionality and reliability only apply if 1st fix cabling, cables used, and mains power requirements are provided strictly in accordance with the installation instructions supplied by NACD Ltd.

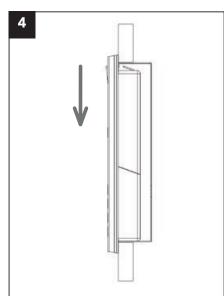


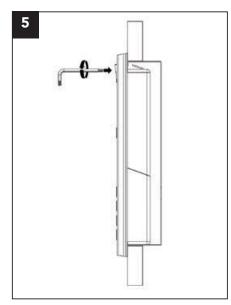
# **IPGUARD MINI: FIXING INFORMATION**

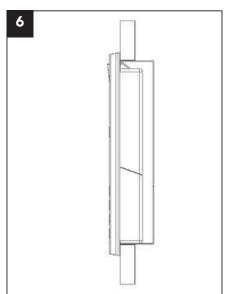




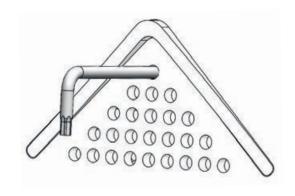








# **IPGUARD MINI: HIDDEN SECURITY SCREW FIXING**



Always completely unscrew the system before positioning the panel.

When you screw back do not over tighten.

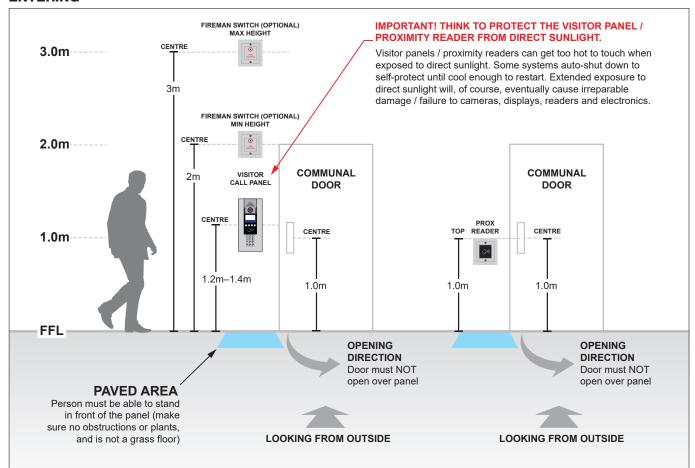


Over tightening can damage the system and make it very difficult to reopen.

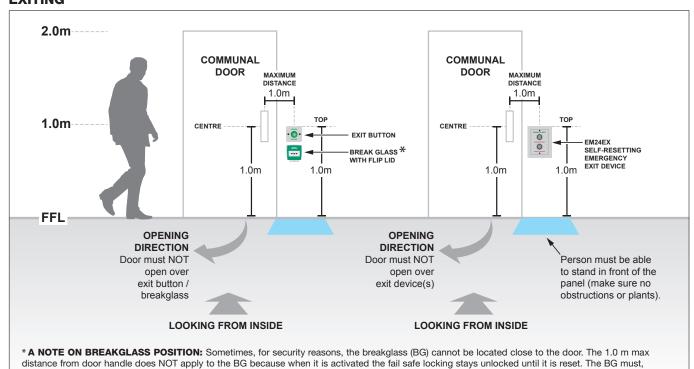


# **FIXING HEIGHTS**

### **ENTERING**



# **EXITING**

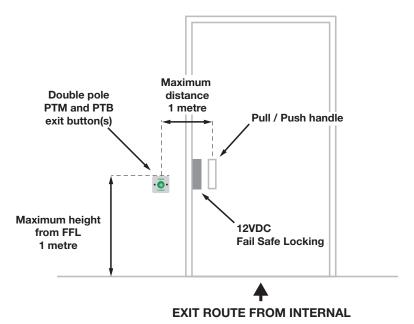


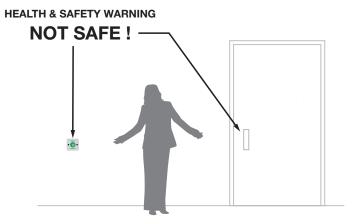
however, be located so that it is impossible to miss - which means easy to see and activate by all persons exiting in an emergency.



# IMPORTANT SAFETY WARNING WHEN USING FAIL SAFE LOCKING

The mechanical Push to Break (PTB) safety features on the exit button(s) ONLY WORK if the door can be pulled / pushed open whilst holding the button pressed in.





If a person cannot reach the exit button
AND the door handle at the same time,
the safety PTB poles of the button are
USELESS. The installation is unsafe and dangerous.

# THINK SAFETY, THINK FIRE, THINK EMERGENCY EXIT. LIVES DEPEND ON A CORRECT INSTALLATION.

ALWAYS CHECK THAT WHEN A BUTTON IS PUSHED

AND HELD DOWN THE DOOR STAYS UNLOCKED AND DOES NOT RE-LOCK.

ALL INSTALLATIONS MUST COMPLY WITH BUILDING CONTROL REGULATIONS.



# CORRECT POSITIONING OF EXIT BUTTON(S) IS VITAL

The PTB (Push to Break) contacts on the button break the lock power circuit but only when the button is pressed in.

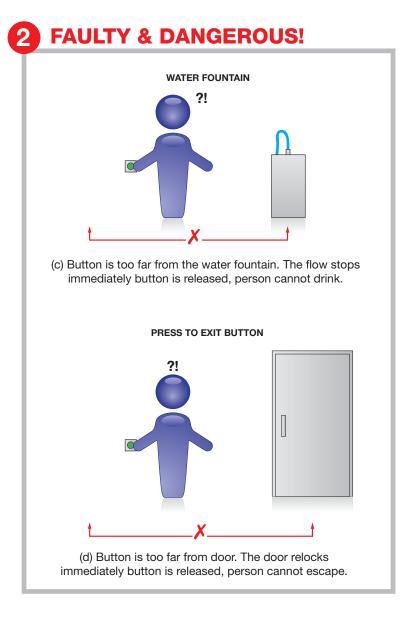
The instant the button is released, the lock is immediately re-powered and the door immediately locks.

If the person cannot both press the button in and push or pull the door open at the same time, the installation is dangerous. **WARNING:** Must be fitted within 1 metre maximum distance of the door exit pull/push handle at a maximum height of 1 metre from FFL.

Position carefully so that door does not open OVER the exit button(s).

# (a) Water flows only when button depressed. PRESS TO EXIT BUTTON (b) Door unlocks only when

button is depressed.





# WARNING! A PTM/PTB\* DOUBLE POLE EXIT BUTTON ONLY IS NOT AN ACCEPTABLE REPLACEMENT FOR A GREEN BREAKGLASS.

Clause 2.17 of Part M (Access) of the Building Regulations, Section J: "the operation of switches, outlets and controls does not require the simultaneous use of both hands, except where this mode of operation is necessary for safety reasons."

You cannot have a system where the only emergency exiting procedure requires that the person needs to hold in a button, and at the same time pull/push the door because some people (elderly, physically impaired, children etc) will not be capable of doing this.

Also, if the distance from the exit buttons to the door makes this physically impossible (too far apart) to press in the button and push/pull the door simultaneously, the installation is obviously flawed and unsafe for everyone.

The emergency exit button MUST when pressed in the normal way ie pressed and immediately released also latch the door unlocked for a period of minimum 3 minutes. Each time the emergency exit button is pressed and immediately released it must "hold the door unlocked" for a minimum period of 3 minutes.

PRESS TO EXIT
PRESS & HOLD IN WHILST OPENING DOOR

NOT SAFE AND NOT
BUILDING REGULATIONS
COMPLIANT

\*PTM = Push to make momentary contacts = Convenience feature only.

PTB = Push to break momentary contacts = Safety feature.

# **FIT VERTICALLY**









VISITOR PANELS / PROXIMITY READERS
/ EXIT DEVICES ARE DESIGNED TO BE
FITTED VERTICALLY IE. UPRIGHT
NOT AT AN ANGLE!

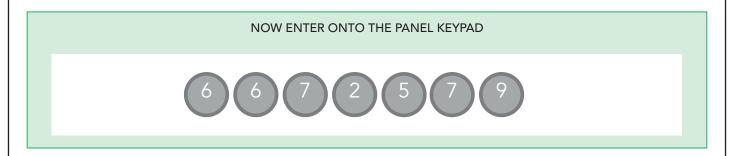
NACD EXCLUDE ALL RESPONSIBILITY FOR DAMAGE TO PANEL ELECTRONICS CAUSED BY CONDENSATION WITHIN 3RD PARTY POSTS. ALSO, IF PANEL AGAINST ADVICE FITTED AT AN ANGLE, IT MUST BE UNDER COVER SO PROTECTED FROM DIRECT RAIN / SNOW / SUN.



# **COMMISSIONING 1**

# **FOLLOW THESE SIMPLE STEPS**

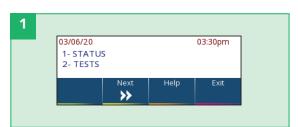
# 1 – POWER UP THE IPGUARD® AND FIX IN TO THE BACKBOX.



# 2 - CHECK THAT YOUR PANEL IS CONNECTED TO THE NETWORK

In the Welcome screen, enter STATUS by pressing on the 1 then go to the 2nd screen by pressing >> .

If the screen does not display "WAN: Connected", check the SIM card then the physical connection of the internal antenna, or the physical connection of the remote aerial, or the physical connection of the remote router (as applicable).





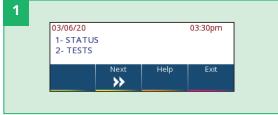
# 3 - TEST SIGNAL

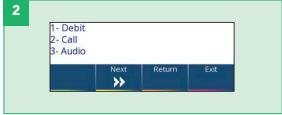
In the Welcome screen, enter TEST by pressing on the 2 then press the

then press the 1

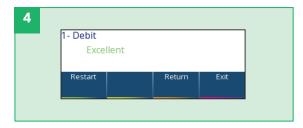
The panel now runs a speed check and responds: Bad, Average, Good or Excellent.

Note: If you receive an error message, start again after a few minutes.









Debit = Speed, throughput (Mb/s)



# **COMMISSIONING 2**

CONFIGURATION	TEST RESULT	ACTION REQUIRED
lakamal antana	Average / Good / Excellent	Speed and signal suffices. The better the test result the quicker the live video becomes available on the Smart phone / device.
Internal antenna	Bad	Install a remote aerial to improve signal reception (avoid obstructions, higher the better etc).
Remote antenna	Average / Good / Excellent	Speed and signal suffices. The better the test result the quicker the live video becomes available on the Smart phone / device.
	Bad	Install a remote router, max distance from panel 80 metres.
Remote router	Average / Good / Excellent	Speed and signal suffices. The better the test result the quicker the live video becomes available on the Smart phone / device.
	Bad	Contact NACD technical department.

# 4 - REGISTER IPGUARD ON BATICONNECT

Go to baticonnect.com and either create an account, or log-in if you already have an account.

Once your IPGUARD panel has been registered on BATICONNECT, the red dot on top right of IPGUARD screen will disappear.



# 5 - CHECK STATUS OF SECONDARY DEVICES ON YOUR SITE

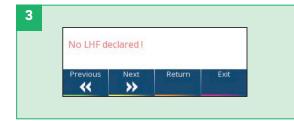
Once your secondary access points (devices) have been registered on BATICONNECT, you can check the quality of each connection to your IPGUARD panel.

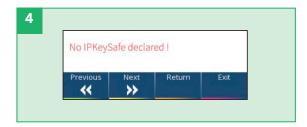
In the Welcome screen, enter STATUS by pressing on the 1 then go to the 3rd screen by pressing >>> twice.

To see other connected devices, press >> once for Smart Keypads, press >> twice for LHF radio receivers, press >> three times for IPKEYSAFES.









Note: If the RS address of a device does not appear check the BATICONNECT configuration. If your devices appear but are NOT showing as activated, check cabling and the address selected directly on the device.



# **INSTALLATION CABLING**

NOTES	
	<u>.</u>
	<u>.</u>
	<u>.</u>
	······
	<u>.</u>
	<u>.</u>





+44 (0)1442 211848 technical@nacd.co.uk

www.nacd.co.uk

f in nacdltd

Unit 8, Heron Business Park, Eastman Way, Hemel Hempstead, Hertfordshire, HP2 7FW















