NACD
ACCESS • COMMUNICATIONS • CCTV

4G/IP/GSM DATA MODEM

BATICONNECT® CLOUD PORTAL

SMART TECHNOLOGY ACCESS CONTROL

BATICONNECT® CLOUD 4G/IP/GSM DATA MODEM

FOR BATICONNECT CLOUD CONNECTIONS WITHOUT AN IPGUARD® SMART VISITOR PANEL.

ANTI CLONE GUARANTEE

EQUALITY ACT 2010 COMPLIANT

BATI CONNECT CLOUD

24/7/365 REAL-TIME CLOUD MANAGEMENT

baticonnect.com

Secured by Design

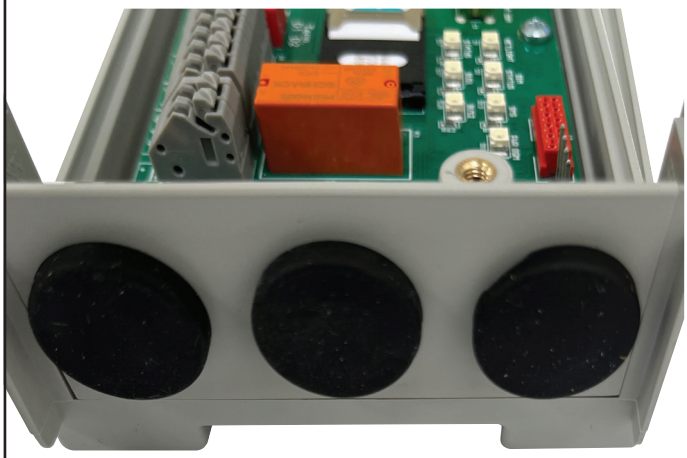
SBD

Police Preferred Specification

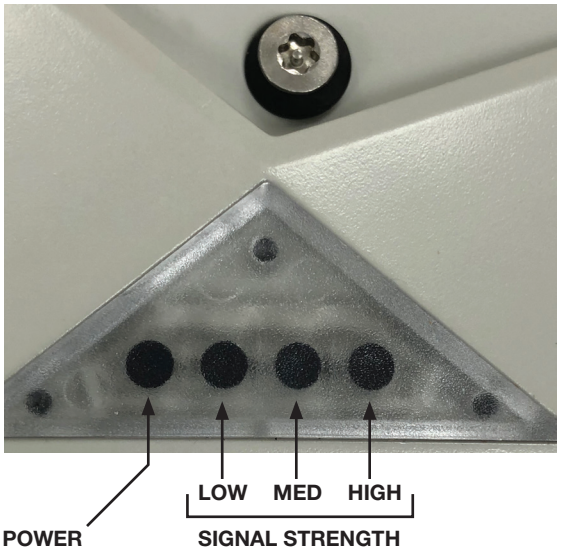
Security tool

Security screws

Cover



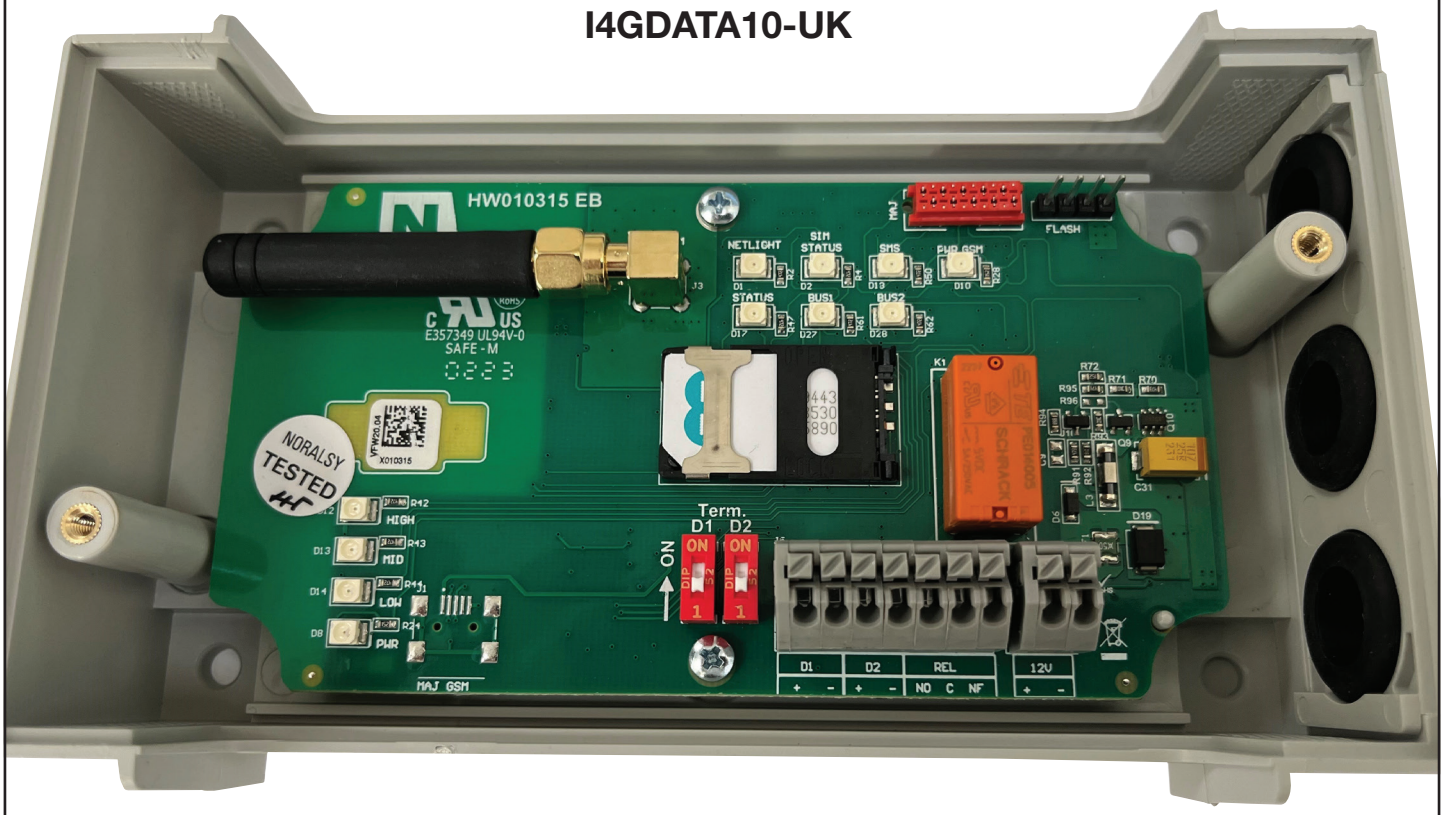
Cable entry at the bottom



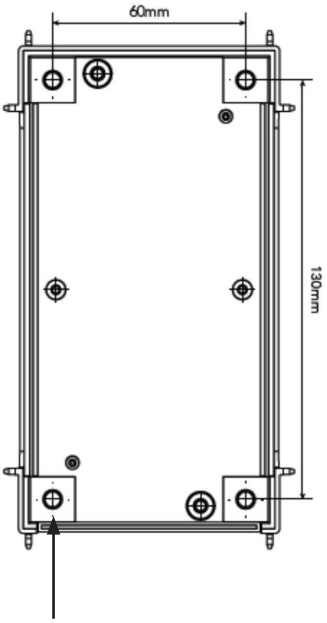
LED indicators

TOP END **BOTTOM END**

I4GDATA10-UK

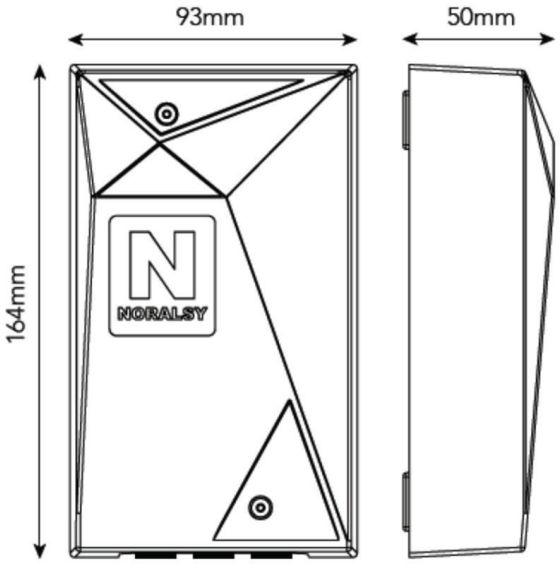


REAR (WALL SIDE)



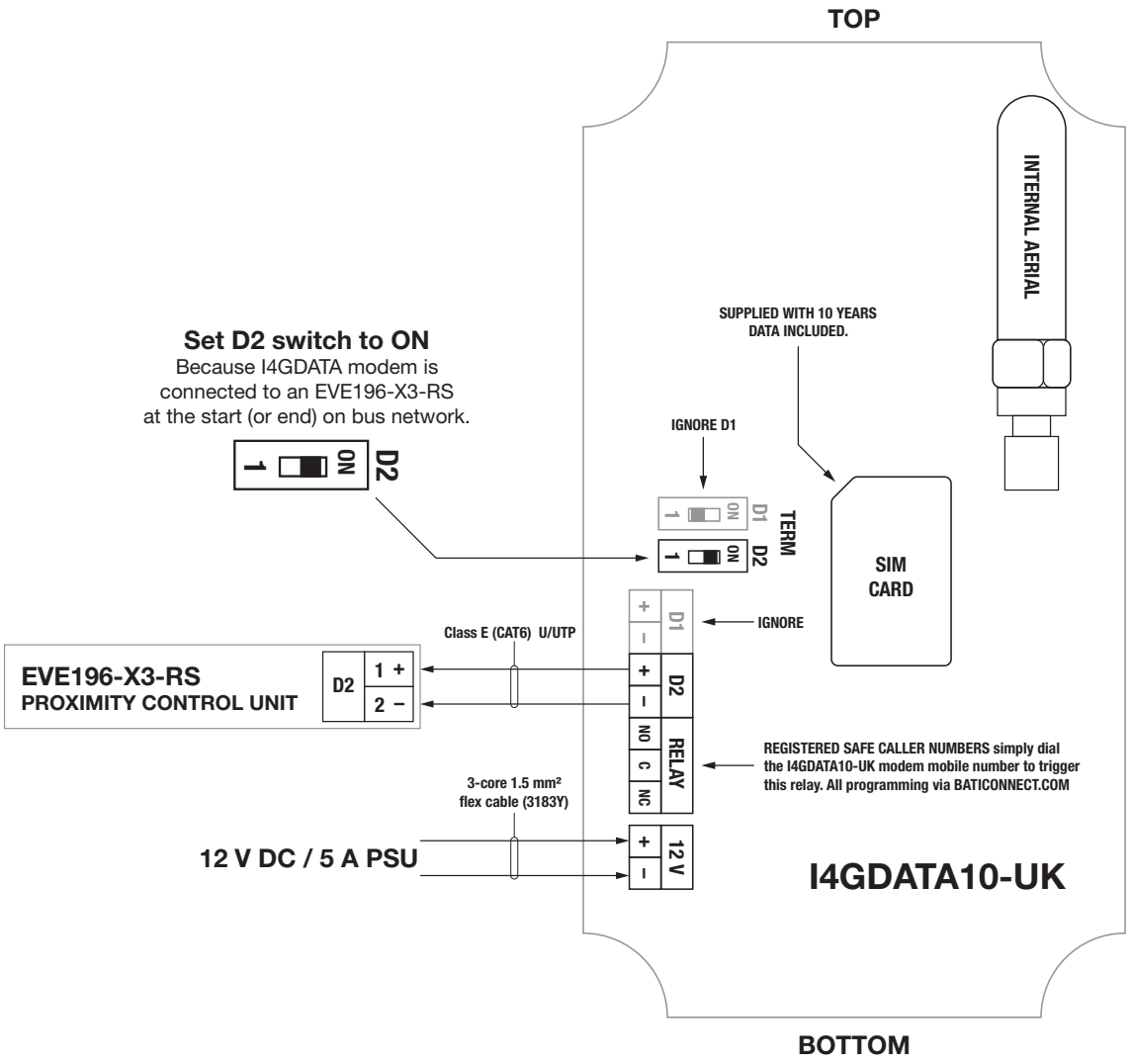
M5 screw holes

FRONT



Cable entry glands

Note. I4GDATA4 does not have a relay.



INTERNAL AERIAL

MD-ANT345G

Only required if 4G signal to modem is low.
Supplied with 3 metres of cable.

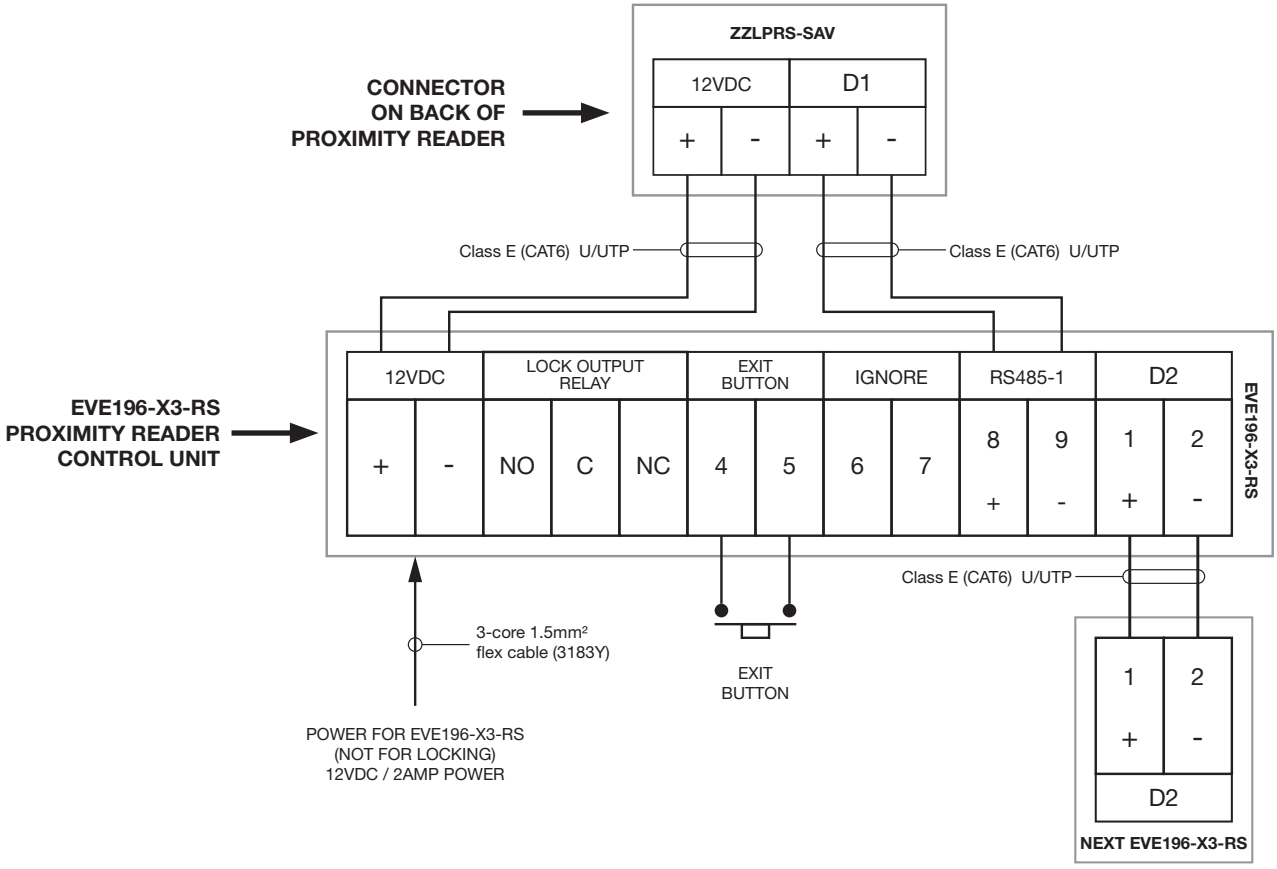
EXTERNAL AERIAL

PROXIMITY READERS

PX10 range

PX11 range

LPTRS (T25)

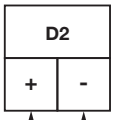


NETWORKING EXTRA PROXIMITY DOORS, METHOD 1.

I4GDATA4 or I4GDATA10-UK DATA MODEM

Set D2 switch to ON

Because I4GDATA modem is connected to an EVE196-X3-RS at the start (or end) on bus network.



Class E (CAT6) U/UTP

EVE196-X3-RS CONTROL UNIT

DOOR 1

12VDC		LOCK OUTPUT RELAY			EXIT BUTTON		IGNORE		RS485-1		D2	
+	-	NO	C	NC	4	5	6	7	8 +	9 -	1 +	2 -

Class E (CAT6) U/UTP

EVE196-X3-RS CONTROL UNIT

DOOR 2

12VDC		LOCK OUTPUT RELAY			EXIT BUTTON		IGNORE		RS485-1		D2	
+	-	NO	C	NC	4	5	6	7	8 +	9 -	1 +	2 -

Door 1, Door 2, Door 7 etc. Trained installers equipped with TELU programmer can program default EVE196-X3-RS door setting themselves. All actual system operational programming is via **www.baticonnect.com**

Class E (CAT6) U/UTP

EVE196-X3-RS CONTROL UNIT

DOOR 3

12VDC		LOCK OUTPUT RELAY			EXIT BUTTON		IGNORE		RS485-1		D2	
+	-	NO	C	NC	4	5	6	7	8 +	9 -	1 +	2 -

Class E (CAT6) U/UTP

EVE196-X3-RS CONTROL UNIT

DOOR 4
(LAST DOOR EXAMPLE)

12VDC		LOCK OUTPUT RELAY			EXIT BUTTON		IGNORE		RS485-1		D2	
+	-	NO	C	NC	4	5	6	7	8 +	9 -	1 +	2 -

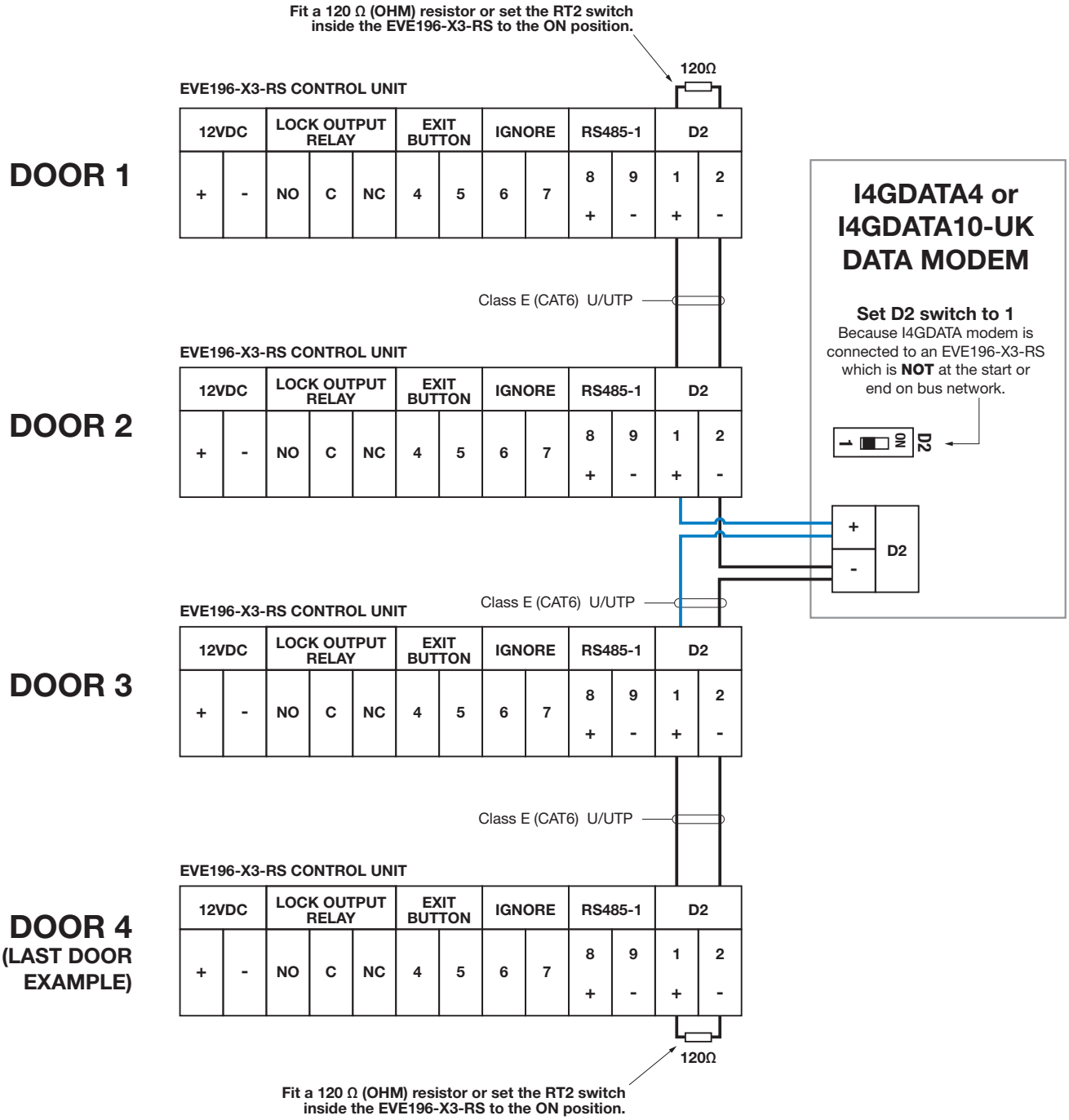
The last EVE196-X3-RS on network must have a 120Ω (OHM) resistor fitted.

120Ω

Fit a 120 Ω (OHM) resistor or set the RT2 switch inside the EVE196-X3-RS to the ON position.

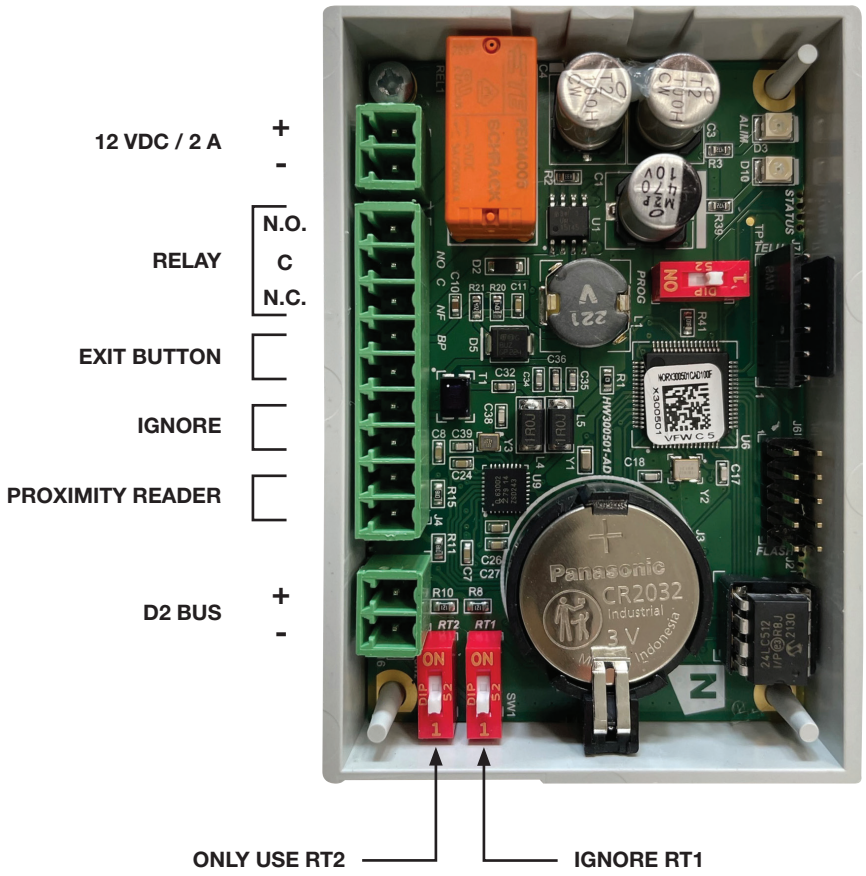
I4GDATA10-UK Data Modem = 1 – 10 doors
I4GDATA4 Data Modem = 1 – 4 doors
Mix and quantity of data modems determined by installation requirements ie number of doors, location of doors, ease of network cabling etc.

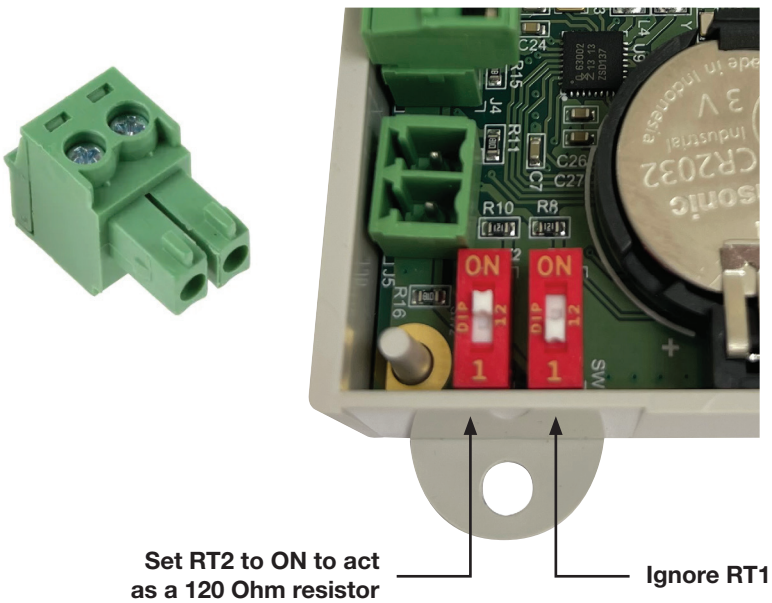
NETWORKING EXTRA PROXIMITY DOORS, METHOD 2.



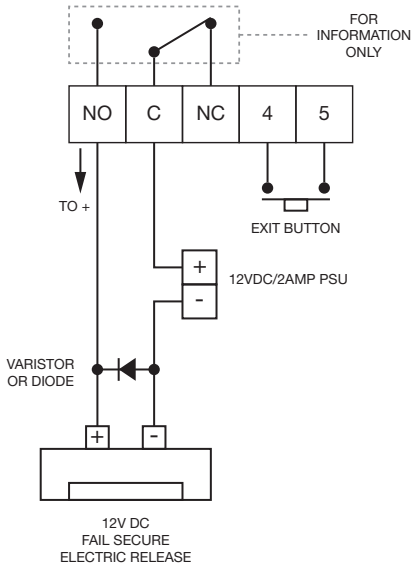
USING THE RT2 SWITCH AS A 120 Ω (OHM) RESISTOR ON THE NETWORK BUS.

EVE196-X3-RS CONTROL UNIT

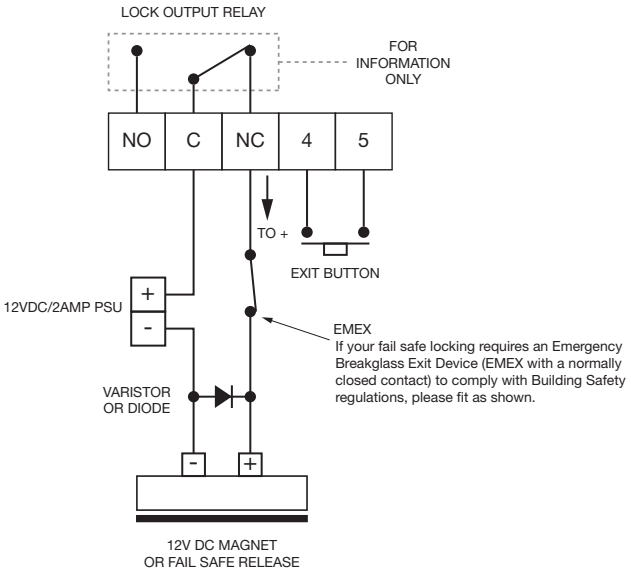




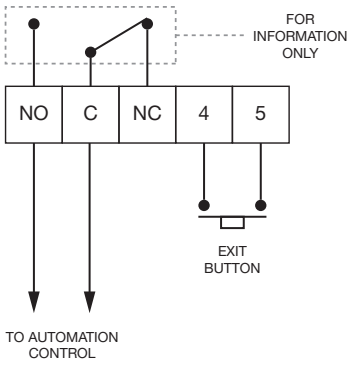
EVE196-X3-RS CONTROL UNIT FAIL SECURE LOCKING



EVE196-X3-RS CONTROL UNIT FAIL SAFE LOCKING



EVE196-X3-RS CONTROL UNIT AUTOMATION CONTROL / VOLT-FREE

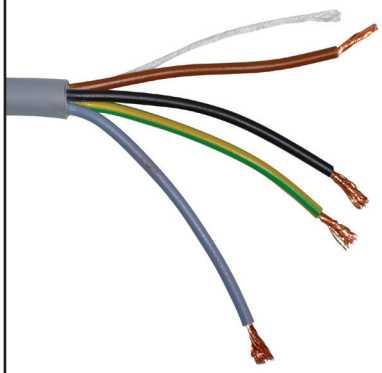


LOCKING CIRCUIT CABLE 4 x 1 YY/LSZH (3184B LSZH)

Q13026

Maximum distance from locking to power supply location:
50 metres for 1 amp lock
30 metres for 2 amp lock

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.

CABLE REFERENCE:
4 x 1 YY/LSZH

PER LOCK

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

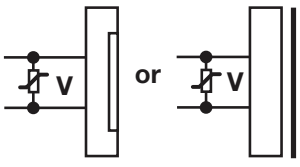
PROTECTION VARISTOR OR DIODE FOR LOCKING

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

Varistor

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

Varistor is polarity insensitive.



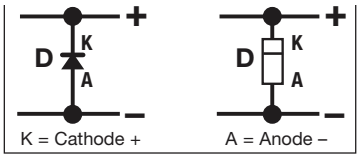
AC or DC release

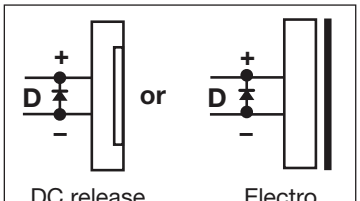
Electro Magnet

Diode

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.





DC release Fail Secure or Fail Safe

Electro Magnet

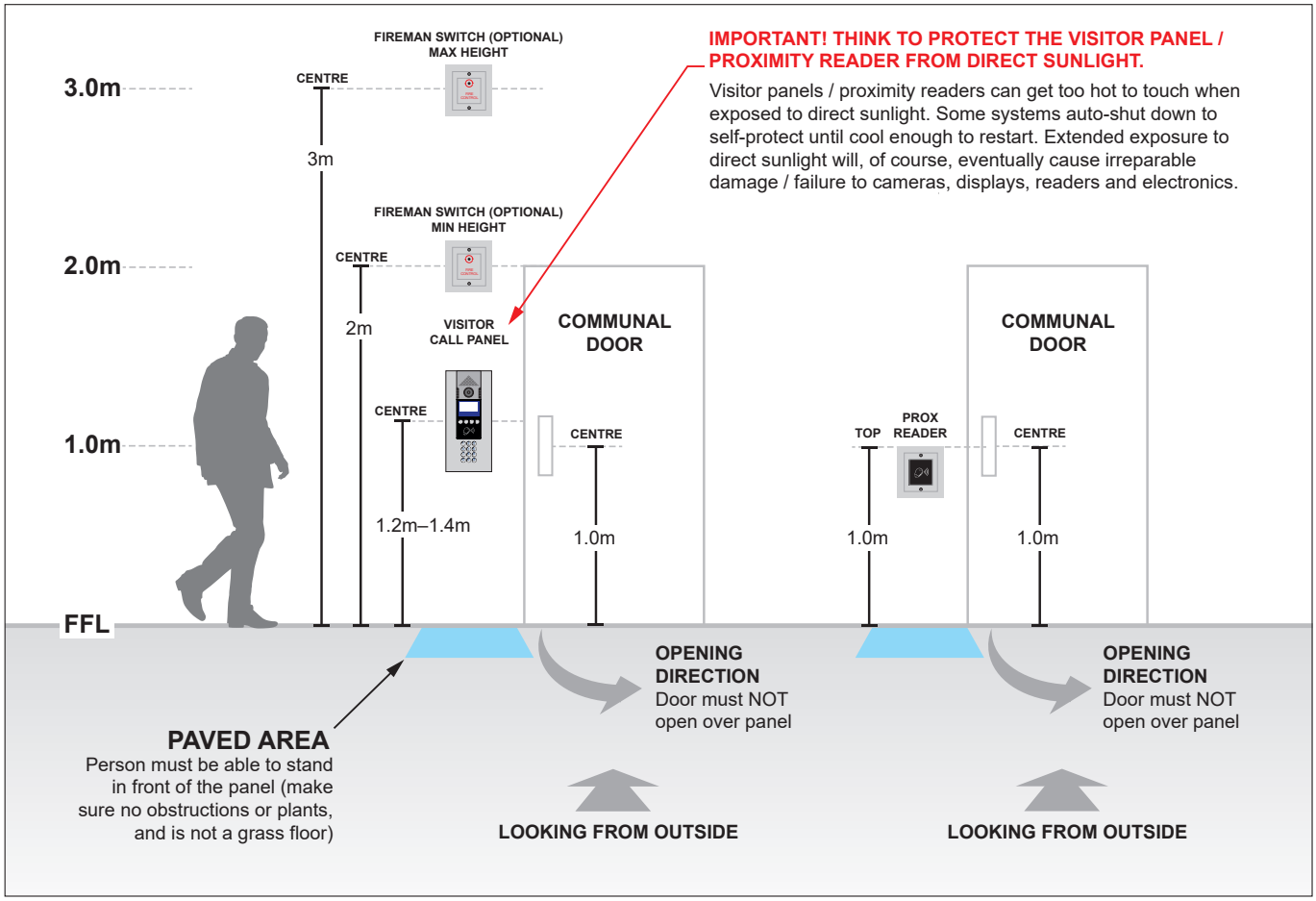
CABLES CPR COMPLIANT TO CCA, S1B, D2, A2 OR BETTER

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).

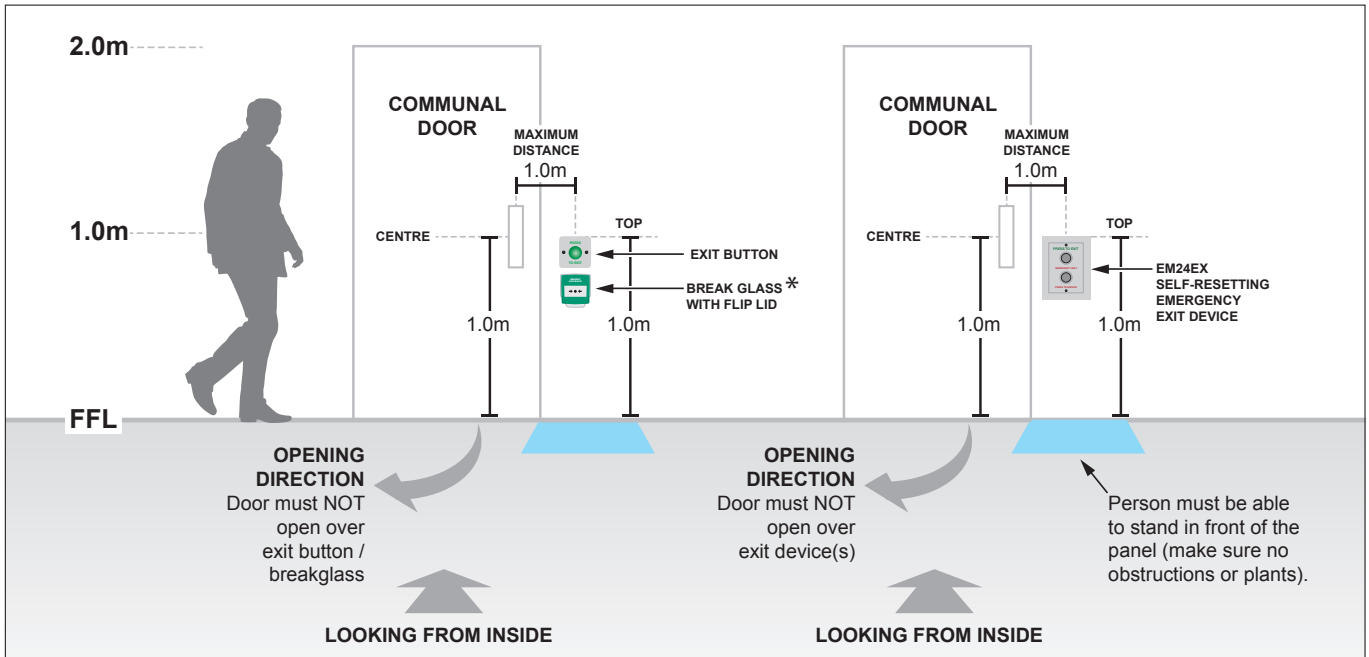
1. Only use CPR compliant cabling.
2. Never use BT cable ref. CW1308 for digital video/audio systems.
3. Make sure duct or external grade cable equivalents are used whenever applicable.
4. Any and all system/equipment guarantees relating to correct functionality and reliability only apply if 1st fix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

FIXING HEIGHTS

ENTERING



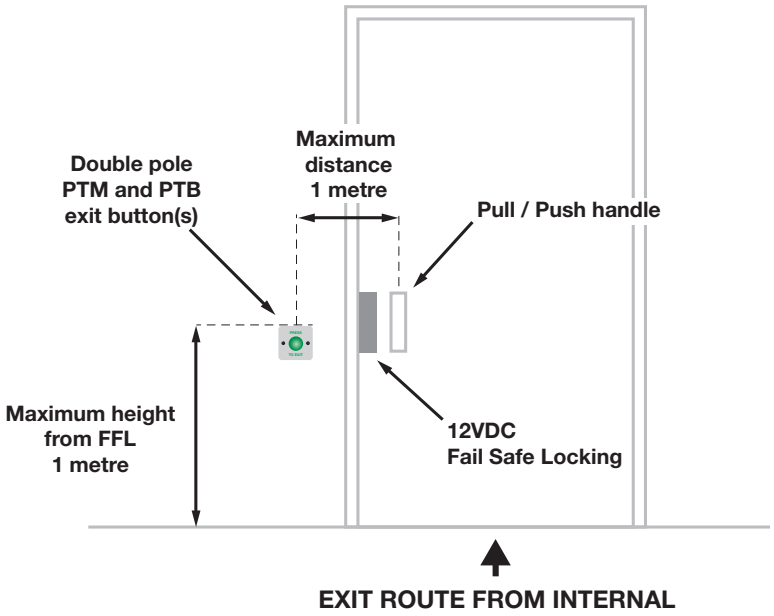
EXITING

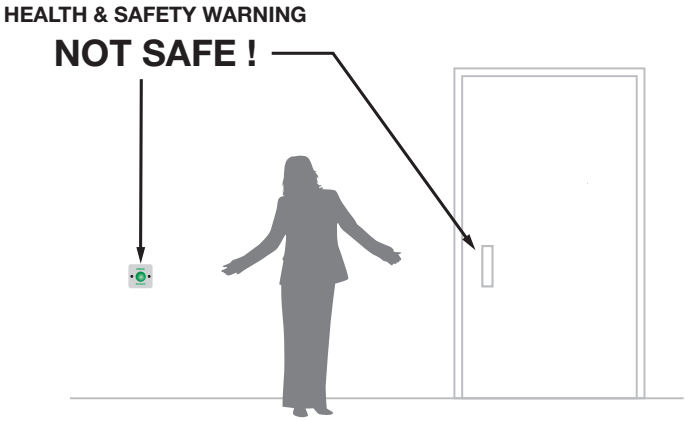


* **A NOTE ON BREAKGLASS POSITION:** Sometimes, for security reasons, the breakglass (BG) cannot be located close to the door. The 1.0 m max distance from door handle does NOT apply to the BG because when it is activated the fail safe locking stays unlocked until it is reset. The BG must, however, be 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.

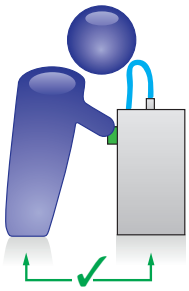
If the person cannot both press the button in and push or pull the door open at the same time, the installation is dangerous.

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).

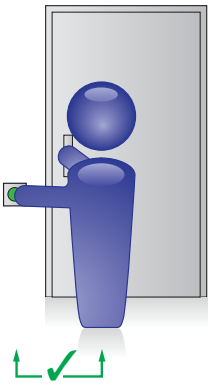
1 CORRECT

WATER FOUNTAIN



(a) Water flows only when button depressed.

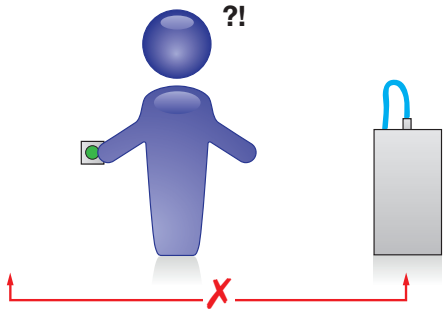
PRESS TO EXIT BUTTON



(b) Door unlocks only when button is depressed.

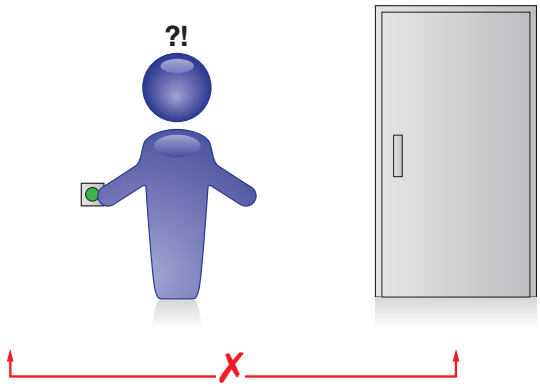
2 FAULTY & DANGEROUS!

WATER FOUNTAIN



(c) Button is too far from the water fountain. The flow stops immediately button is released, person cannot drink.

PRESS TO EXIT BUTTON



(d) Button is too far from door. The door relocks immediately button is released, person cannot escape.

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.

NOT ALLOWED

NOT SAFE AND NOT BUILDING REGULATIONS COMPLIANT

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

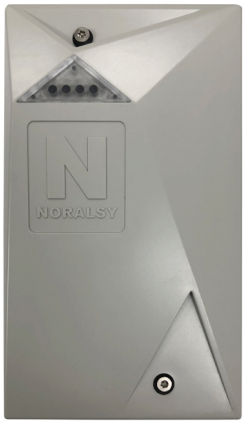
PTB = Push to break momentary contacts = Safety feature.

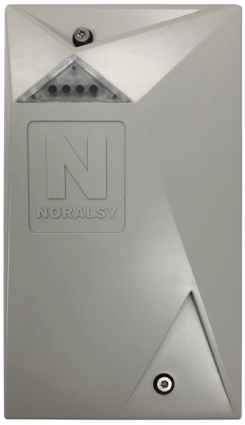
FIT VERTICALLY

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

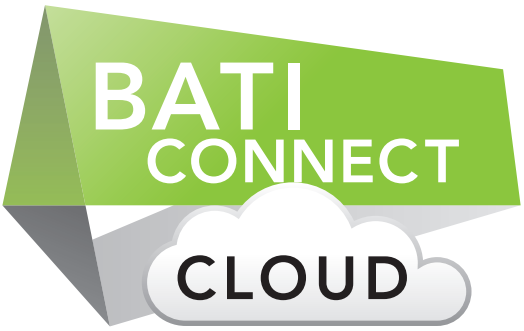
NACD EXCLUDE ALL RESPONSIBILITY FOR DAMAGE TO PANEL ELECTRONICS CAUSED BY CONDENSATION WITHIN 3RD PARTY POSTS. ALSO, IF PANEL AGAINST ADVICE FITTED AT AN ANGLE, IT MUST BE UNDER COVER SO PROTECTED FROM DIRECT RAIN / SNOW / SUN.

Technical specifications





REFERENCES	I4GDATA4	I4GDATA10-UK
MECHANICAL CHARACTERISTICS		
Dimensions (HxWxD)	164 x 93 x 50 mm	
Weight	350g	
Material	ABS	
IK/IP protection	IK08 / IP65	
ELECTRICAL CHARACTERISTICS		
Voltage	12VDC	
Consumption	3.5 A max	
Power supply	12 VDC / 5 A	
Relay	N/A	1no 5 Amp rated NO/NC programmable
Operating temperature	-20°C to 55°C	
FEATURES		
Bus	Max length 400 metres using Class E (CAT6) U/UTP in series	
Device network capacity	4	10
Safe caller door opening	No	Yes, via call from SAFE telephone number
Time clock	Non-volatile and synchronised by BATICONNECT CLOUD®	
LED indicators	4no, Power and Reception Level (3no levels)	
Watchdog	Auto-reboot after loss of GSM service	
Calendar function	8no week types with baticonnect.com	
Programming	www.**baticonnect.com** available 24/7/365	
HF norms	GSM/GPRS/EDGE: 850, 900, 1800, 1900 MHz	



24/7/365

www.baticonnect.com

NACD

ACCESS ▪ COMMUNICATIONS ▪ CCTV

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

www.nacd.co.uk
nacdltd

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

Secured by Design

SBD

Police Preferred Specification

NICEIC APPROVED CONTRACTOR · BRITISH SAFETY COUNCIL · SafeContractor APPROVED · CHAS Accredited Contractor · NSF GOLD · UKAS PRODUCT CERTIFICATION 0142 · UKAS MANAGEMENT SYSTEM 0142 · Constructionline · CQMS