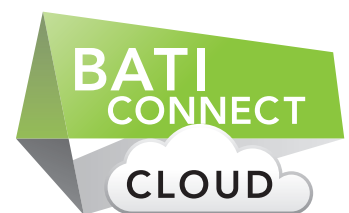


ACCESS CONTROL ONLY
INSTALLATION MANUAL
PORTACODE KEYPAD

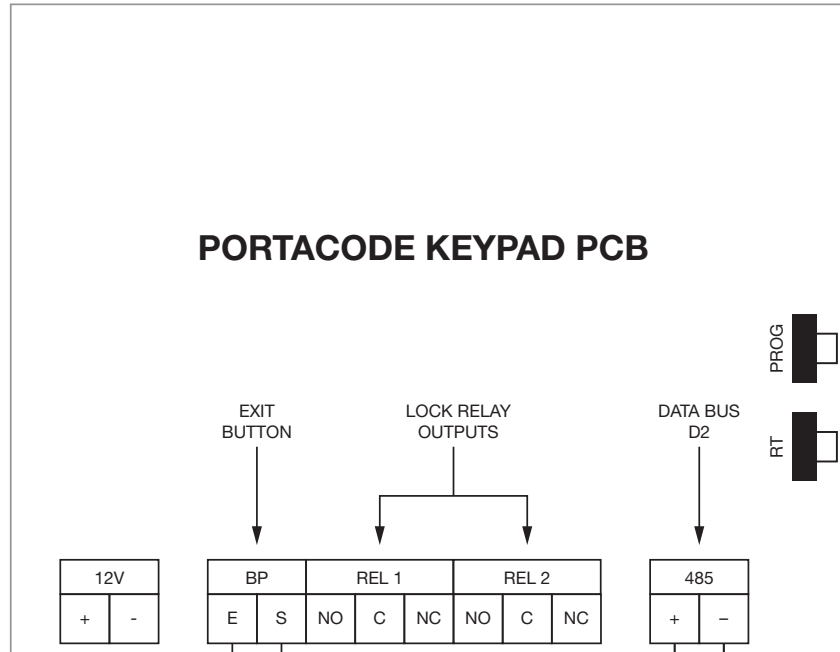


PORTACODE KEYPAD
remotely programmable via
BATICONNECT® CLOUD



24/7/365

www.baticonnect.com

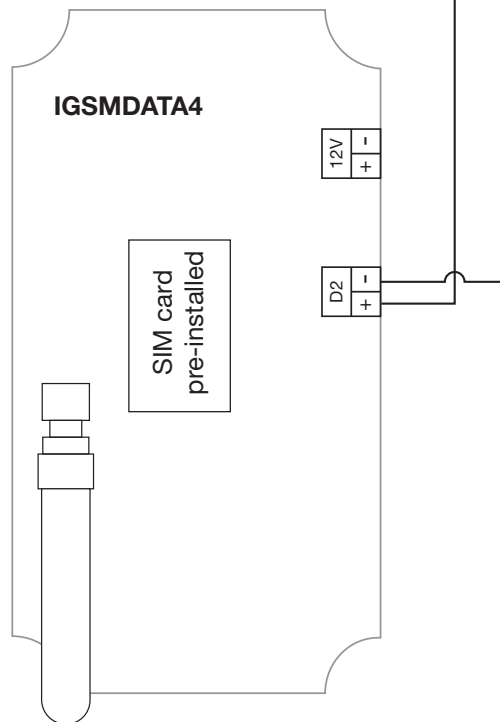


3-core 1.5mm²
flex cable (3183Y)

POWER IN
FOR PORTACODE
(NOT FOR LOCKING)
12VDC/2A



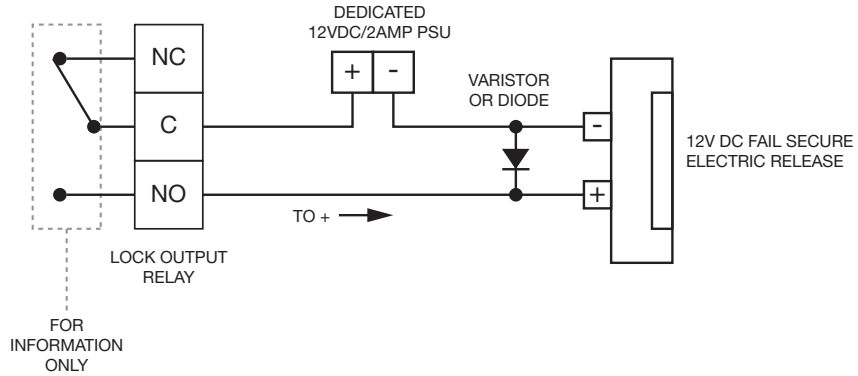
AR122 PSU
12VDC/2A
for Portacode only



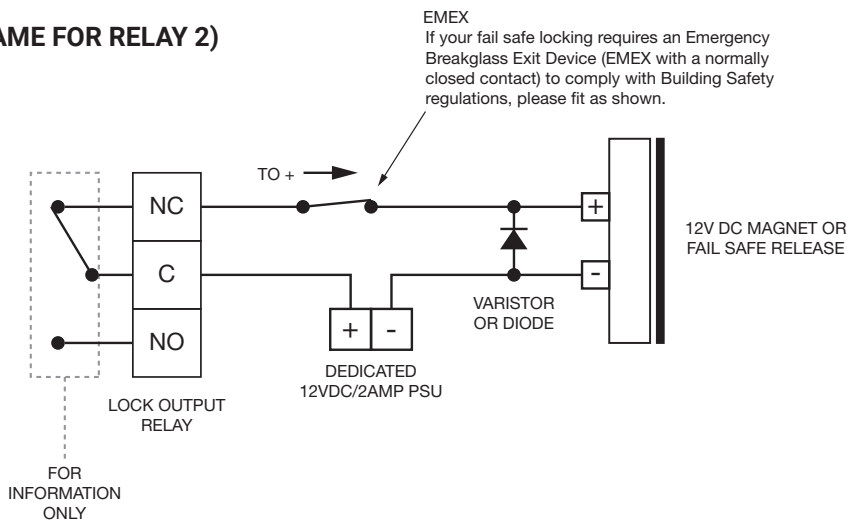
When networking Portacodes, the additional Portacodes need to be wired together in a bus chain via the D2 terminal.

IGSMODATA4 modem
connects Portacode to
BATICONNECT® CLOUD
www.baticonnect.com

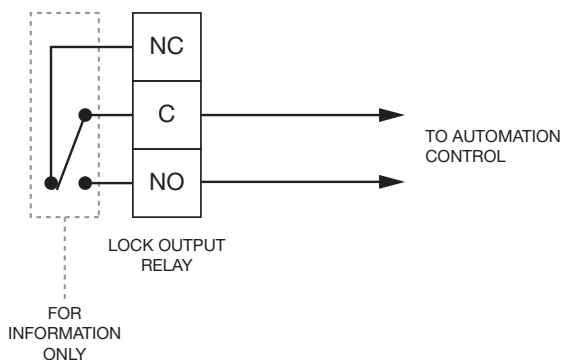
**FAIL SECURE LOCKING
PORTACODE RELAY 1 (SAME FOR RELAY 2)**



**FAIL SAFE LOCKING
PORTACODE RELAY 1 (SAME FOR RELAY 2)**



**AUTOMATION CONTROL / VOLT-FREE
PORTACODE RELAY 1 (SAME FOR RELAY 2)**

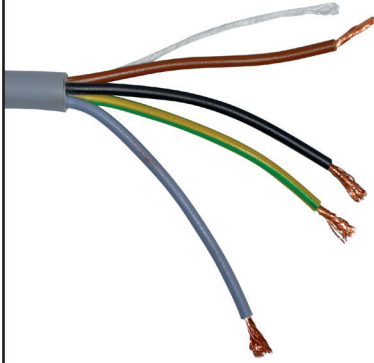


LOCKING CIRCUIT CABLE 4 x 1 YY/LSZH (3184B LSZH)

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.



**CABLE REFERENCE:
4 x 1 YY/LSZH
PER LOCK**

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

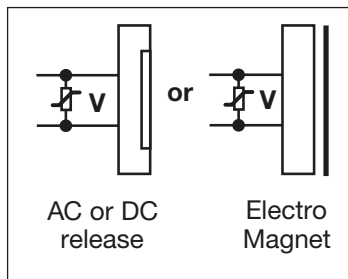
The use of a varistor or diode protects electrical equipment from transient voltage spikes.

Varistor



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

Varistor is polarity insensitive.

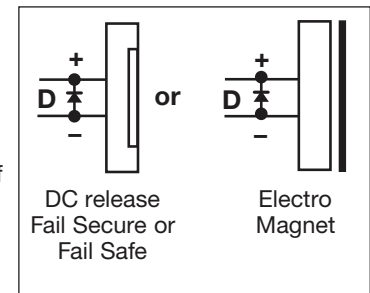
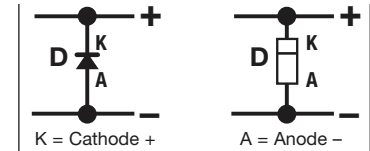


Diode



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.



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 access control 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.

The Portacode keypad has a **D2 data bus** – identified on its PCB as 485. This is the connection used to network the Portacode keypad directly onto an IGSMATA4 modem assuming it is the only networked device on the IGSMATA4 modem.

If, however, there are numerous devices sharing an IGSMATA4 or IGSMATA32 modem, the Portacode keypad is treated like any other networkable device and is linked via its 485 terminals (D2 data bus) to the D2 data bus terminals of any one of the EVE196-X3 proximity reader control units. It is simply part of the series bus. Remember to respect the + and – polarities.

So it behaves just like each of the EVE196-X3 proximity reader control units and obviously it needs to be assigned a unique Network Address (Device n°). Remember, the Network Address is what you also enter on baticonnect.com to identify each device.

Example

If you are using an IGSMATA4 modem, the Portacode keypad could be designated as 01, 02, 03 or 04.

If you are using an IGSMATA32 modem, the Portacode keypad could be designated as 01, 02, 03 04,....10, 11 etc up to 16.

Important: Each device must be programmed with a unique Network Address (Device n°). You cannot have, for example, 2n° devices each called number 04 for example.

Programming the Network Address (Device n°) on your Portacode keypad is very simple:

Flick the PROG switch on the Portacode PCB. You will hear beeping noises.

Enter onto the Portacode keypad:

96 **01** **2** **01**
└──┘ NETWORK ADDRESS (DEVICE n°)

Now switch off the PROG switch.

You are now finished with all on-site programming.
Everything else can be programmed remotely via BATICONNECT.COM

Note

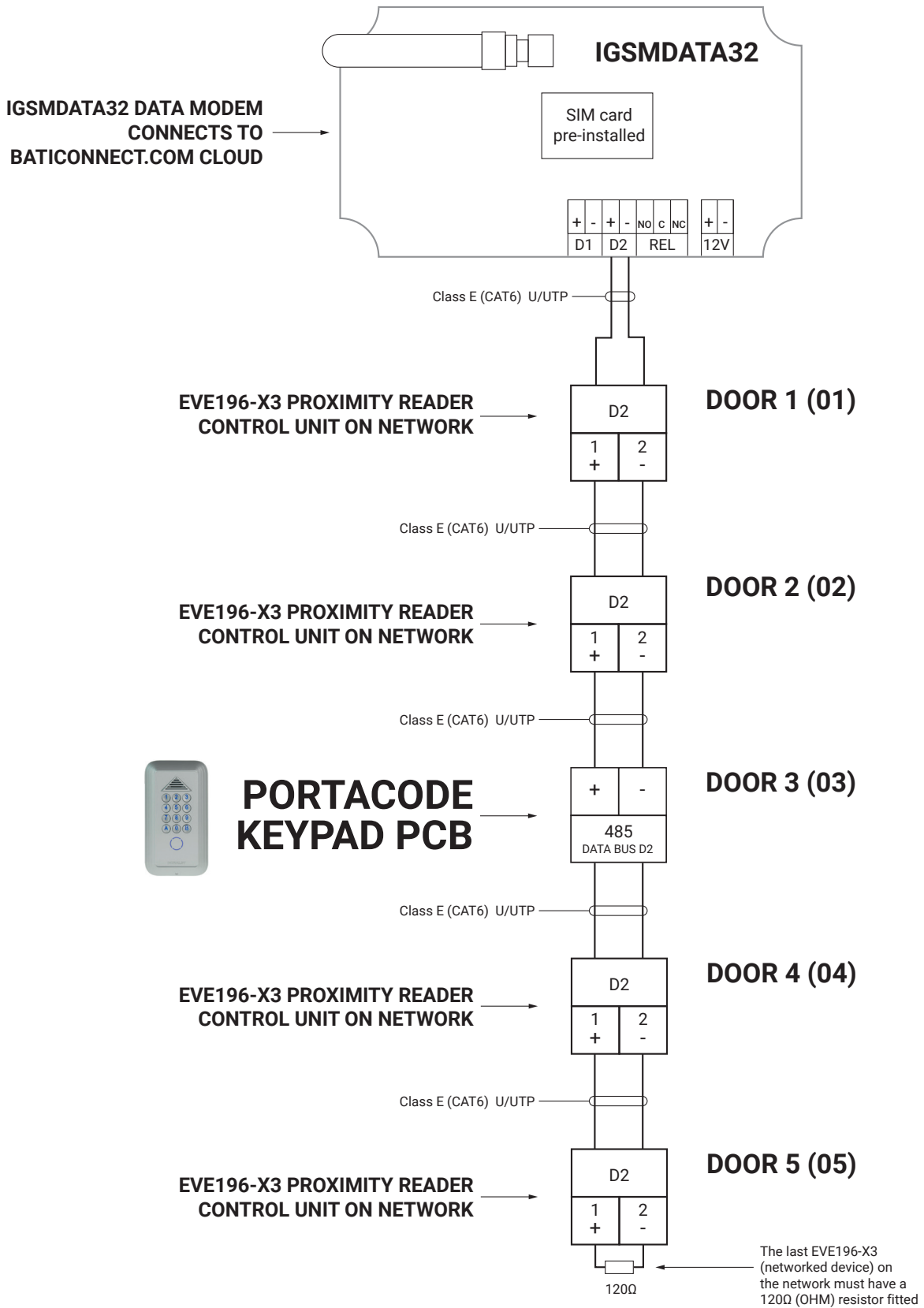
If you have more Portacode keypads on the same bus, repeat the above process EXCEPT that each must have its own unique ID number.

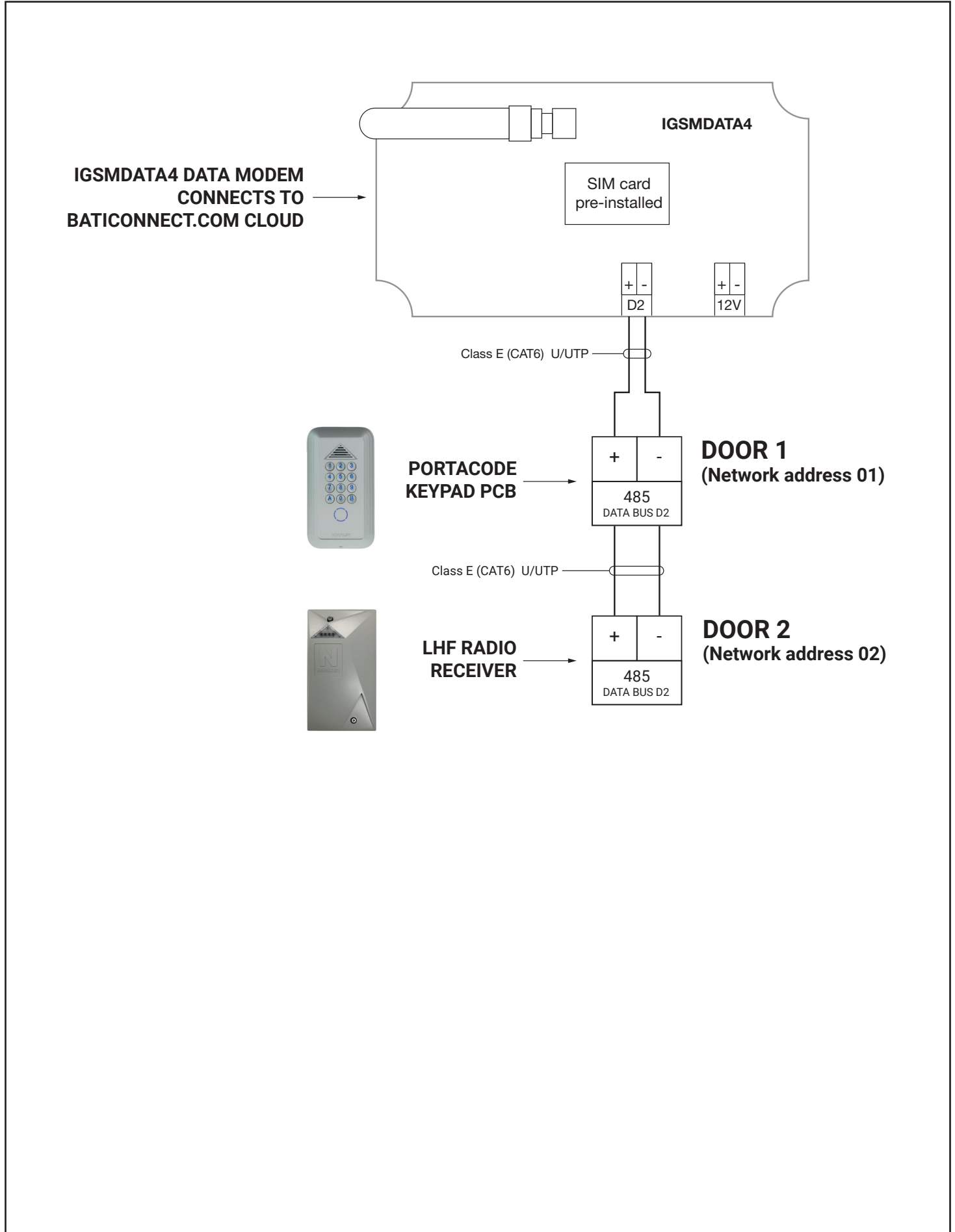
Example for a 2nd Portacode:

96 **02** **2** **01**
└──┘ NETWORK ADDRESS (DEVICE n°)

Example for a 3rd Portacode:

96 **03** **2** **01**
└──┘ NETWORK ADDRESS (DEVICE n°)





SPECIFICATIONS



	PORTACODE KEYPAD, SILVER	PORTACODE KEYPAD, CHAMPAGNE
REFERENCES	PCA327-RS	PCD327-RS
MECHANICAL CHARACTERISTICS		
Facia dimensions (HxWxD)	216 x 120 x 2.5 mm	
Flush box dimensions (HxWxD)	165 x 95 x 45 mm	
Surface box dimensions (HxWxD)	217 x 121 x 17 mm	
Weight	1300g	
Material	ZAMAC	
Colour	Silver	Champagne
IP protection	IK09 / IP65	
ELECTRICAL CHARACTERISTICS		
Voltage	12VDC – 24VDC	
Consumption	150 mA	
Power supply	12VDC / 2A	
Relay	2no 5 Amp rated NO/NC programmable	
Operating temperature	Operating -20°C to 55°C	
FEATURES		
Voice output messages	2no with 10 volume level settings	
Bus	Max length 400 metres using Class E (CAT6) U/UTP in series	
Capacity	90 user codes, length 4–8 digits/characters any mix	
Calendar function	8no week types with baticonnect.com	
Programming	www.baticonnect.com available 24/7/365	



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 HP2 7DU



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