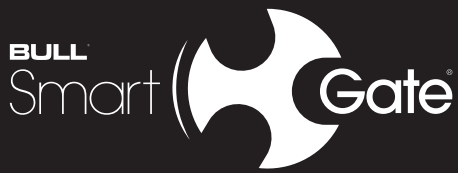




**BULL**



# Proximity Reader PSU and ACU

## Smart solutions for a secure site

The 12V 2A Power Supply Unit (PSU) and Access Control Unit (ACU) is available in either a plastic or metal cabinet. The cabinet can house both the 12V 2A PSU and a Net2 or I/O ACU with the option to accommodate a 12V/7Ah back up battery if desired.

A tamper switch registers an alarm if the lid is opened when connected to an ACU or I/O board. Please note that the I/O board cannot be integrated within the metal cabinet.



## Specifications PSU

### System

cabinet construction	ABS plastic/powder coated metal
12V DC outputs	3
double insulated PSU	yes
cable type	2 way plug UL
PSU type	switch mode
ACU integration	Net2 Plus, Net2 classic, I/O board

### Electrical

supply voltage input	100 to 240V AC
output current	(1.2A) 12V DC (2A)
battery charging current	1A
frequency	50 to 60Hz

### Other hardware features

mains failure warning	yes
removable rising clamp terminal blocks	yes
back up battery	optional
tamper switch	yes
fitting kit	yes

### Environment

operating temperature

0°C to +45°C  
+32°F to +113°F

moisture resistance

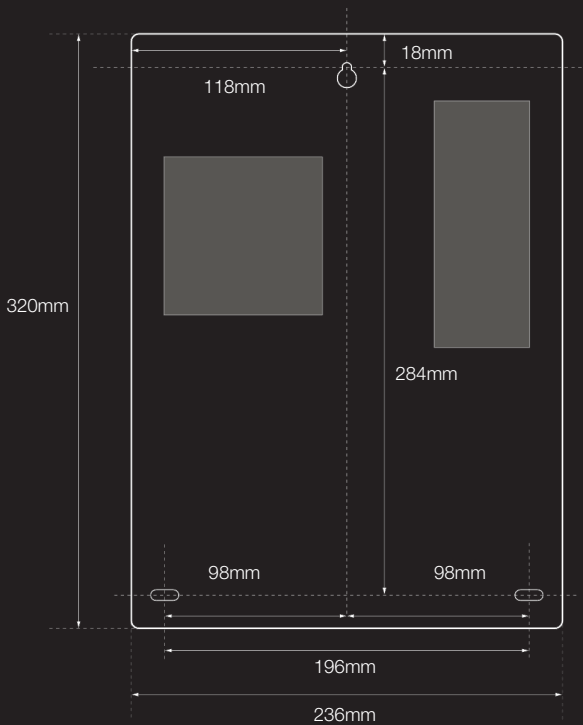
no - if used externally, it must be protected in a weatherproof housing

vandal resistance

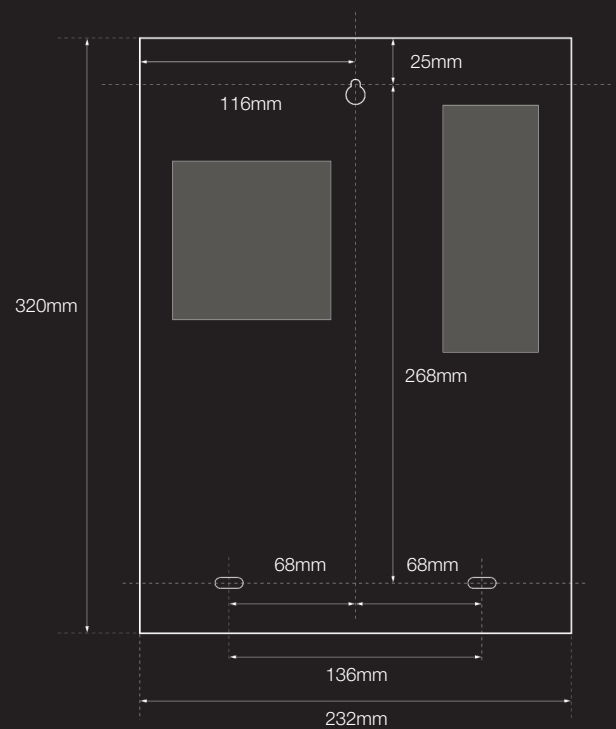
low

## Dimensions PSU

2A/12V DC power supply - plastic cabinet



2A/12V DC power supply - metal cabinet



## Options PSU

2A/12V DC power supply

Net2 I/O board - 12V 2A PSU, plastic cabinet

2A/12V DC power supply - metal cabinet

2A/12V DC power supply - plastic cabinet

Net2 Plus 1 door controller - 12V 2A PSU, metal cabinet

Net2 Plus 1 door controller - 12V 2A PSU, plastic cabinet

## Specifications ACU

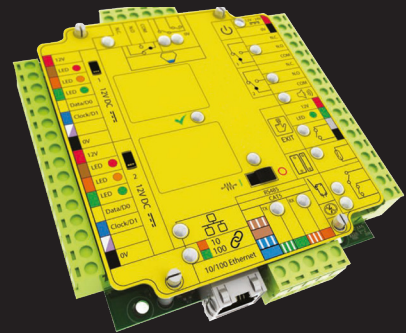
This single door ACU and is one of the most advanced available. Employing the latest technology, it offers huge potential for future expansion, even as security technology develops. Unlike many systems of its type, this ACU is truly future-proof, ensuring that access control is a sound investment no matter how system requirements may change.

The SmartGate Proximity Reader ACU has on-board TCP/IP to allow direct connection to a computer network. This can save time, money and result in a better, more resilient system. ACUs can also connect together using a dedicated RS485 network, which reduces the number of TCP/IP network points required for larger systems.

This ACU is designed to work seamlessly in the event of communications failure. It will continue to permit or deny access to users as appropriate. Once communications are re-established the activity is reported back to the PC.

Other hardware features:

- volt-free control relay
- input for PSU fail
- input for tamper
- integrated termination resistors
- dedicated intruder alarm input



### System

maximum total users/tokens	50,000
PIN length	4 to 8
number of codes	50
code length	4 to 8
number of time zones	64
number of access levels	250
stored events	25000+
data retention during a total power loss	30 days
handsfree compatible	yes - requires interface
clock and data	yes
26 bit wiegand	yes (max 50 bits)
custom wiegand	yes (max 50 bits)
silent operation	yes
door open time	1 sec to 5000 secs

### Electrical

operating voltage	12VDC $\pm$ 20% or 24VDC $\pm$ 20%
current consumption	200mA @ 12VDC
relay switchable voltage	24V DC
relay switchable current	4A max
alarm output current	1A

### Communication

TCP/IP	yes
wireless	yes
RS485	optional
ethernet network speed	yes
ethernet bandwidth requirement	yes
DHCP support (fixed IP recommended)	yes



### Hardware

reader ports per ACU	2
readers/keypads per ACU	4 - check current draw on individual readers
total ACU reader port output current	500mA
3rd party reader support	yes - if compatible
reader cable type	Belden 9540
network cable type	CAT5 or Belden 8723

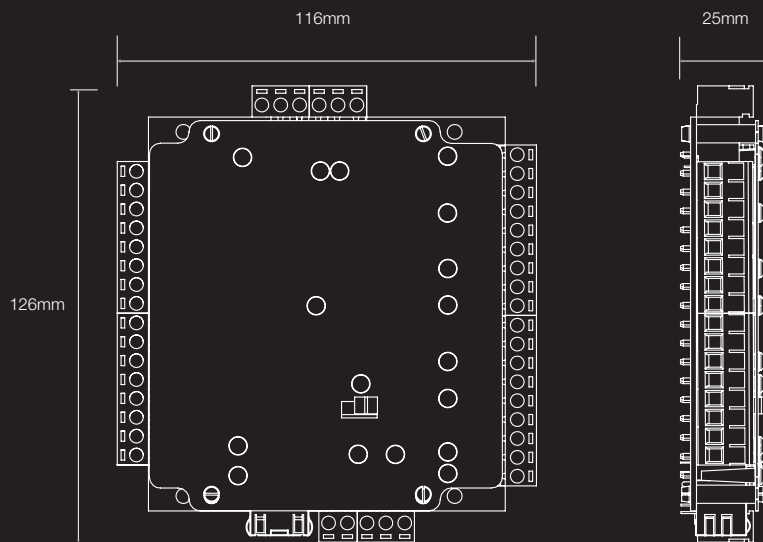
### Features

input for exit button	yes
input for door contact	yes
alarm/bell output	yes

### Environment

operating temperature	0°C to +55°C +32°F to +131°F
moisture resistance	no - if used externally, it must be protected in a weatherproof housing
vandal resistance	low

## Dimensions ACU



## Options ACU

Net2 plus 1 door controller

Net2 plus 1 door controller - 12V 2A PSU, plastic cabinet