

ACC-AP

Technical Manual



VANDERBILT

Data and design subject to change without notice. / Supply subject to availability.

© 2018 Copyright by Vanderbilt International Ltd.

We reserve all rights in this document and in the subject thereof. By acceptance of the document the recipient acknowledges these rights and undertakes not to publish the document nor the subject thereof in full or in part, nor to make them available to any third party without our prior express written authorization, nor to use it for any purpose other than for which it was delivered to him.

Hereby, Vanderbilt International (IRL) Ltd declares that this equipment type is in compliance with the following EU Directives for CE marking:

- Directive 2014/30/EU (Electromagnetic Compatibility Directive)
- Directive 2011/65/EU (Restriction of the use of certain hazardous substances Directive)

The full text of the EU declaration of conformity is available at: <http://van.fyi?Link=DoC>



Table of Contents

1 General Information	4
1.1 Safety	4
1.2 Details of ordering	4
2 Installation	5
2.1 AP Controller Diagram	5
2.2 Reader connections	5
2.3 Mounting	5
2.4 Tamper function	6
2.5 Power supply	6
2.6 Battery	6

1 General Information

The IP-based AP door controller offers the latest technology, and is cost-effective and easy to install.

It supports:

- 2 OSDP readers
- 4 monitored or unmonitored inputs
- 2 relay outputs
- 4 open-collector outputs
- 1 general-purpose FLN bus to connect to IPM, OPM, and 8IO devices

Note: Only input/output devices are supported. No RIM device support is available.

The AP controller connects to an internet/intranet network, which allows for communication with the SiPass system. It can then be configured through the **Components** dialog in the SiPass integrated Configuration Client.

1.1 Safety

Read the general safety precautions before installing/configuring/operating the device.

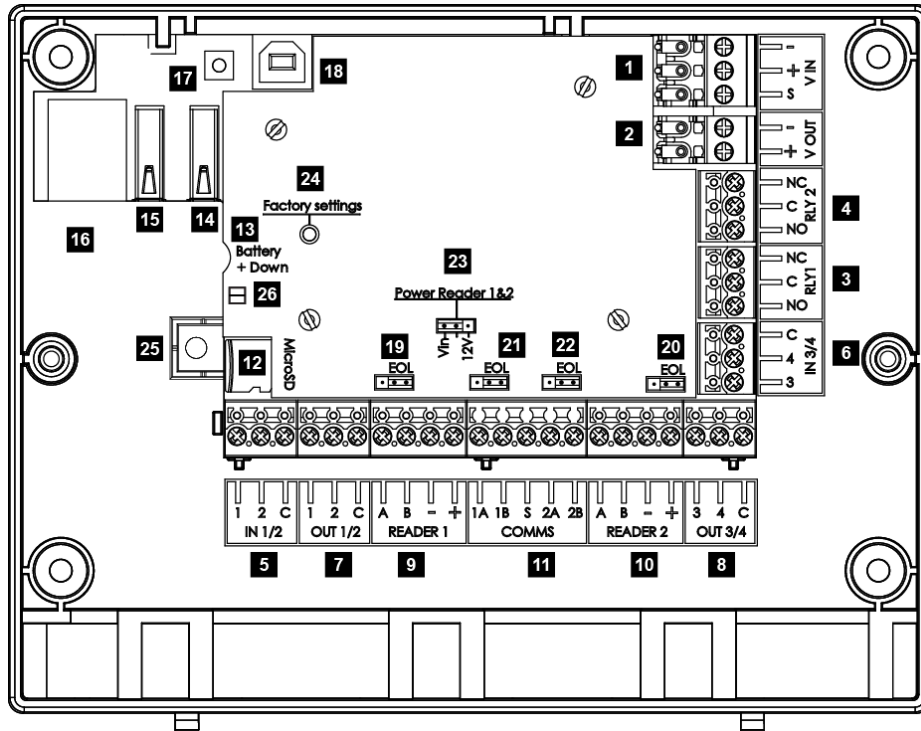
- Follow all warnings and instructions marked on the device.
- Keep this document for reference purposes.
- Please take into account any additional country-specific, local laws, safety standards or regulations concerning installation, operation and disposal of the product.
- Refer to a qualified electrician for installation.

1.2 Details of ordering

Type	Item Number	Description
ACC-AP	V54502-C160-A100	ACC-AP SiPass integrated IP Door Contr.
ACC-APM-1220	V54502-C162-A100	ACC-APM-1220 SiPass IP Contr. 12V 2A PSU
ACC-APM-2420	V54502-C163-A100	ACC-APM-2420 SiPass IP Contr. 24V 2A PSU

2 Installation

2.1 AP Controller Diagram



2.2 Reader connections

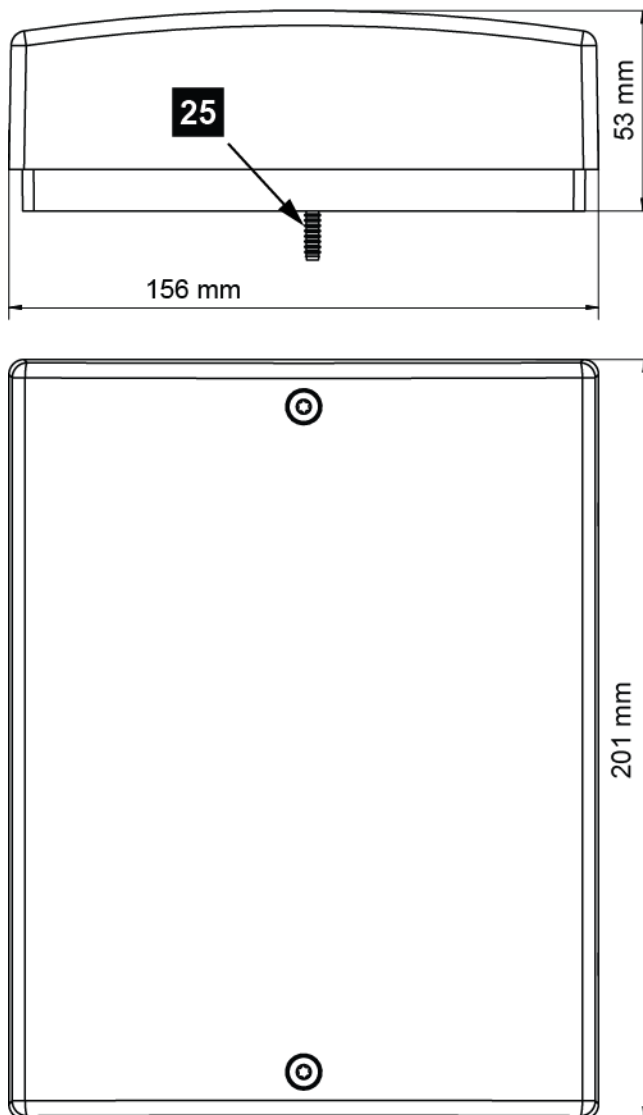
Readers should be connected to the appropriate terminal blocks (A, B, -, +) of the **READER 1** port.

For each reader interface, there is an End of Line (EOL) jumper available. This can optionally be used to terminate the reader communication wires.

2.3 Mounting

Mount the unit in such a way that the wiring and connectors can be easily applied. There must be a minimum of 10mm free around the housing to de-mount the lid.

The dimensions of the layout are shown in the diagram below (not actual size).



2.4 Tamper function

The tamper is very important for the protection of the mounting. There are two types of tamper switch:

- Opening the lid (see item 17 in *AP Controller Diagram* on page 1)
- Removing unit from the wall (see item 25 in *AP Controller Diagram* on page 1)

The wall tamper requires that the unit is properly fixed to the wall with a screw. If the unit is removed, the plastic plug that presses on the tamper switch breaks and the tamper alarm becomes active.

2.5 Power supply

The power supply (12–24V) can be either a central source (battery supported) or a local PSU.

2.6 Battery

A CR2032 type battery is supplied and should be mounted in the battery socket (see item 13 in *AP Controller Diagram* on page 1) with the plus (+) mounted downwards. The battery keeps the Audit Trail data intact for about 30 days during any power failure.



© Vanderbilt 2018

Data and design subject to change without notice.

Supply subject to availability.

Document ID: I-200310

Edition date: 14.08.2018

VANDERBILT

vanderbiltindustries.com

 [@VanderbiltInd](https://twitter.com/VanderbiltInd)

 [Vanderbilt Industries](https://www.linkedin.com/company/VanderbiltIndustries)

Issued by **Vanderbilt International Ltd.**
Clonshaugh Business and Technology Park
Clonshaugh, Dublin D17 KV 84, Ireland

 vanderbiltindustries.com/contact