

**VANDERBILT**

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**ENC-010, ENC-020, ENC-030  
SiPass Security Cabinets**

Installation Guide

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# ENC-010, ENC-020, ENC-030 – Installation guide

## Product Description

The ACC series security cabinets are designed to house and protect the hardware used in the SiPass access control and security system. Three different sizes are available: small, medium, large.

## Capacities

Size	Fits	With/out
Small	1 x Type 1	with
	or 4 x Type 2	1 PSU and 2 backup batteries
Medium	1x Type 1	with
	or 6 x Type 2	1 PSU and 2 backup batteries
	2 x Type 1 or 12 x Type 2	without PSU or batteries
Large	2 x Type 1	with
	or 12 x Type 2	2 PSUs and 4 backup batteries

Note: Type 1= ACC-XX , 1PM, OPM, RIM-030, RIM-040 Type 2 = RIM-010, RIM-020

Cabinets feature multiple access points for cabling, a lockable door and holes for power LED and tamper button and an internal backplane for securing field level devices.

## Details for ordering

Type	Item no	Description
ENC-010	V6FL7820-8DA10	ENC-010 - Small enclosure 19" Lx 20"W x 5"0, with 2 wiring rails
ENC-020	V6FL7820-8DA20	ENC-020 - Medium enclosure 28" Lx 20"W x 5"0, with 4 wiring rails
ENC-030	V6FL7820-8DA30	ENC-030 - Large enclosure 40" Lx 20"W x 5"0, with 4 wiring rails

## Prerequisites

- Devices to be mounted in the enclosure
- Cabling (RS-485 / RS-422 / RS-232 / Power)

## Required Tools & Material

Medium-duty drill and associated drill-bits (if required) Flat-blade terminal screwdriver

Wire cutters Cable strippers

11.i inch (0.635mm) hex socket driver 6 x #8 self-tapping screws

## Expected Installation Time

15 minutes for cabinet mounting, plus 30 min additional time for each device mounted.

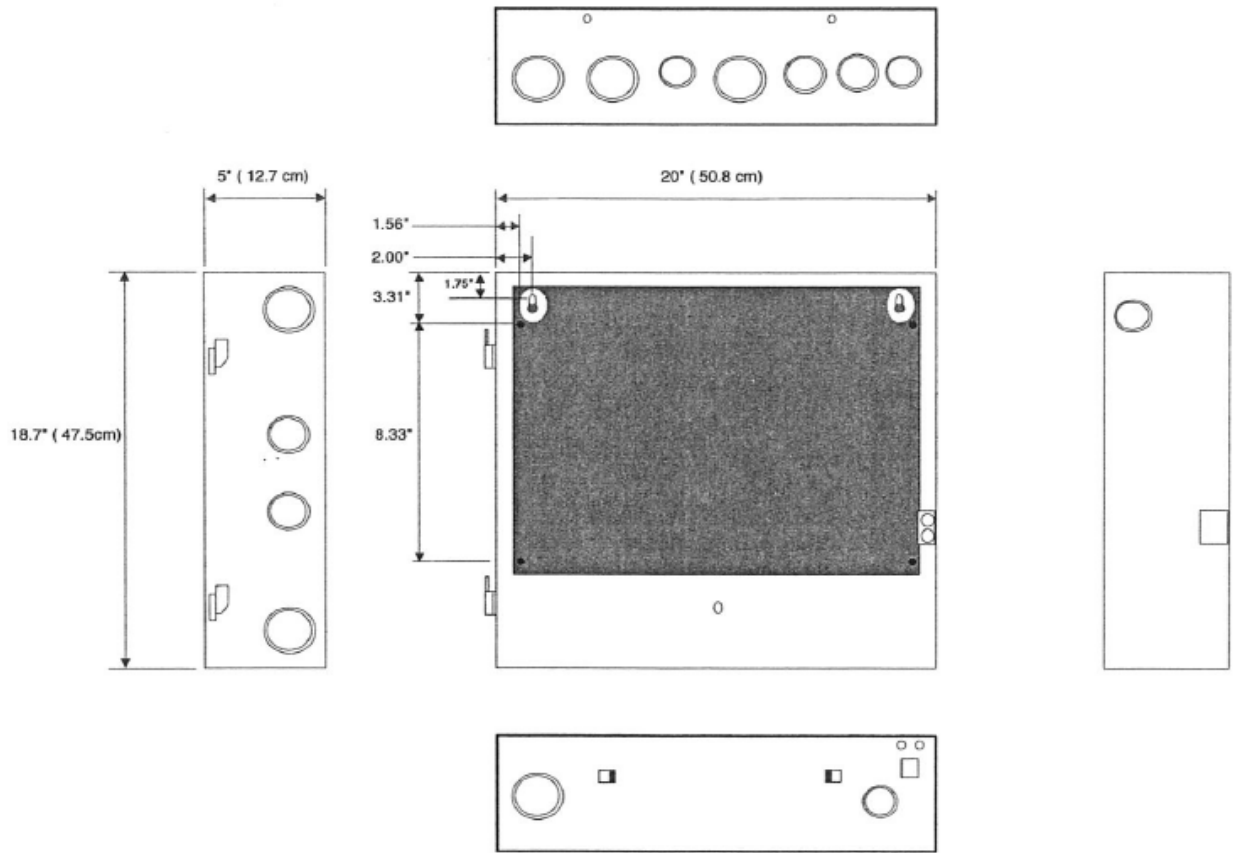
## Mounting Instructions

The position and orientation of the hardware units in this install sheet are recommended only. The cabinet backplane allows you to use the space creatively to arrange a combination of Type 1 and Type 2 hardware units.

1. Place the assembled cabinet on a level surface.
2. Unlock and open the cabinet door.
3. Lift vertically with both hands to remove.
4. Remove the knockouts in the cabinet body that will be used for cable access. Refer to Figure 1 for the location of the knockouts.
5. Measure and draw a level line above the floor on the wall or surface on which the cabinet is to be mounted. The height of the line will depend on the cabinet size and should allow for a person to open the cabinet without bending or reaching.
6. There must be at least 6 inches (16.24cm) clearance above and to each side of the cabinet.
7. Align the top of the cabinet with the line and mark the location of the mounting holes as shown.
8. Drill a hole at each mounting point marked in step 7 to fit #8 self-tapping screw.
9. Insert the screws approximately half-way into the holes drilled in step 8.
10. Lift the cabinet and align the correct holes with the screws inserted into the mounting holes. Push the cabinet so that the rear is flush against the mounting surface.
11. Finish drilling the screws so that the cabinet is firmly fixed to the wall or surface
12. Use washers on the bolts inside of the enclosure.
13. Mount the Printed Circuit Boards housed by the cabinet on the backplane, as shown in Figures 2 and 3 and as described in the following pages.
14. Replace the cabinet door, close and lock it.

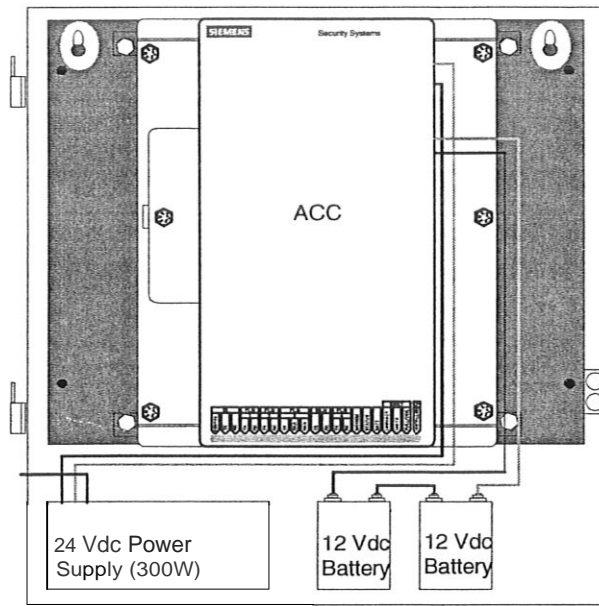
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The following diagram displays a foldout view of a size small cabinet, showing location of the mounting points and knockouts for the cabinet and the backplane:



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The following diagram shows an ACC mounted in a size small cabinet with Power Supply Unit and Batteries installed:



The following diagram shows four RIMs mounted in a size small cabinet with Power Supply Unit and Battery installed.

