

Installation and Operation Manual – AV GMX005 Large Metal Enclosure (DSC)

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Important notice: this manual is not an official DSC or TVC document. The manufacturer only publishes a [datasheet](#). Items marked *datasheet* come from it; everything else is general good practice. Always follow your alarm panel's installation manual.

1. Overview

The AV GMX005 is a large wall-mount metal enclosure that houses PowerSeries and PowerSeries Neo alarm panels indoors (*datasheet*). It has a hinged metal door with a lock and mounting holes in the back for a secure installation. It has no electrical parts.

Item	Value
Product name	AV GMX005 – Large multipurpose metal enclosure
Brand	DSC
Model	GABMULTIFUNC_005
TVC code	DSC1220036
SAT code	45121600
Warranty	12 months

2. Specifications and compatibility

All data in these tables comes from the datasheet and the [TVC product page](#).

Feature	Specification
Dimensions (H × W × D)	46 × 38 × 9 cm (18.1 × 15.0 × 3.5 in)
Material	Painted metal

Feature	Specification
Housing	Knockouts for cable entry
Door	Hinged metal door
Lock	Lock with 2 keys (included)
Mounting	Wall mount, indoor

Series	Compatible panels
PowerSeries	PC1616, PC1832, PC1864
PowerSeries Neo	HS2032, HS2064, HS2128

3. Required materials, precautions and location

Included: enclosure with hinged door, lock and 2 keys (*datasheet*).

Not included: alarm panel, backup battery, transformer, wall anchors and screws, standoffs for the circuit board if the enclosure does not provide them, cable and cable grommets.

Suggested tools: drill with masonry or wood bit, screwdrivers, level, pliers, multimeter.

Precautions:

- Installation must be performed by a trained technician.
- Disconnect AC power and the battery before handling the panel.
- Check for pipes or wiring inside the wall before drilling.
- Connect the panel's earth ground as described in its installation manual.
- Do not keep the enclosure keys next to the panel or in plain sight.
- The enclosure is for indoor use (*datasheet*): do not install it outdoors.

Recommended location:

- A firm, dry interior wall out of visitors' sight (utility room, closet, mechanical room).
- Near an AC outlet for the transformer and, if applicable, the phone line or network entry point.
- Inside an area covered by a system sensor, to detect tampering attempts.

- Away from heat sources, humidity and equipment that generates electrical interference.
- With enough clearance in front to open the door fully.

4. Installation

First mount the enclosure on the wall, then install the panel inside it.

Mounting the enclosure:

1. Open the door with the key.
2. Remove the knockouts you need for cable entry. Do this before mounting, with the enclosure resting on a firm surface.
3. Hold the enclosure against the wall, level it and mark the holes in the back.
4. Drill, insert the anchors and fasten the enclosure with screws through all mounting holes.
5. Fit grommets in the open knockouts to protect cables from the metal edges.

Installing the panel:

1. Mount the panel circuit board on its standoffs at the back of the enclosure, following the panel's installation manual. Make sure the board does not touch the metal.
2. Place the backup battery at the bottom of the enclosure.
3. Route zone, keypad, siren and power wiring through the knockouts.
4. Connect the earth ground to the panel as described in its manual.
5. If your installation requires it, add a tamper switch (not included) that detects door opening and wire it to a 24-hour zone.
6. Dress the wiring with cable ties so the door closes without pressing on the cables.
7. Connect the battery, then AC power. Confirm the panel powers up without troubles.
8. Close and lock the door.

5. Operation

The enclosure stays locked and is opened only for technical service. Users operate the system from the keypad, not from the enclosure.

- Give the 2 keys to the system owner or service technician, not to every user.

- Before opening the door, notify the monitoring station or put the system in service mode to avoid tamper alarms.
- When finished, lock the door and confirm on the keypad that no troubles remain.

6. Maintenance, troubleshooting and warranty

Inspect the enclosure every 6 months, together with alarm system maintenance.

Task	Suggested frequency
Check that the enclosure is firmly attached to the wall	Every 6 months
Test the lock and hinges; lubricate if needed	Every 6 months
Clean dust and insects from the interior with air or a dry brush	Every 6 months
Check the panel battery (date, voltage, corrosion)	Every 6 months; replace per manufacturer
Inspect the paint and touch up scratches or rust	Every 12 months

Problem	Likely cause	Solution
Door will not close	Cables pressing on the door or enclosure not level	Rearrange the wiring; re-level the enclosure
Lock sticks	Dust or lack of lubrication	Apply dry lubricant (graphite)
Tamper trouble when closed	Tamper switch misaligned	Adjust the tamper switch position
Short or panel fault	Board or wires touching the metal	Check standoffs and insulation; use grommets
Enclosure is loose	Wrong anchors for the wall type	Remount with the correct anchor type

Warranty and support: 12 months according to TVC. For support, visit the [TVC Forum](#) or your TVC branch.

Reference documents: [product page](#) · [datasheet in English \(PDF\)](#) · [datasheet in Spanish \(PDF\)](#)