

EVNx700-RETRO Retrofit Kit Installation Sheet



Description

EVNx700-RETRO Retrofit Kit allows you to upgrade your Advisor MASTER or Advisor Advanced control panel to EVERON control panel. For the complete information on control panel installation and programming, see *EVERON Control Panel Installation and Programming Manual*.

Warnings and cautions



Caution: Hot parts! Risk of burn. Burned fingers when handling parts. Allow parts to cool down before handling.



WARNING! Dangerous voltage! Risk of injury or death. Fuse may be in the neutral. The mains should be disconnected to de-energize the phase conductors.



WARNING! If the housing cover is removed, there is no safeguard against electrically caused fire that might occur during system malfunction. The housing cover must be reassembled according to this installation instruction after each interference by a user.



WARNING: Electrocution hazard. To avoid personal injury or death from electrocution, remove all sources of power and allow stored energy to discharge before installing or removing equipment.



WARNING! The correct earthing procedures must be followed.



WARNING! Use cables that comply with IEC 60332-1-2 and IEC 60332-1-3, or IEC 60332-2-2, or IEC TS 60695-11-21, or UL 2556 VW-1. Use cables and connections that can withstand at least 2 A current.

WARNING: Before removing the mains fuse, mains power must be disconnected.

- (6-6) 4X M3x10 standoffs for fixed PCB mount on the universal bracket
- (6-7) 4X M3x10 round head screws for PCB mount on the universal bracket standoffs
- (6-8) Double spade connector terminal
- (6-9) Heat-shrink tube

Note: EVNx700-RETRO Retrofit Kit does not include any control panel MBC. EVNx700-MBC must be ordered separately.

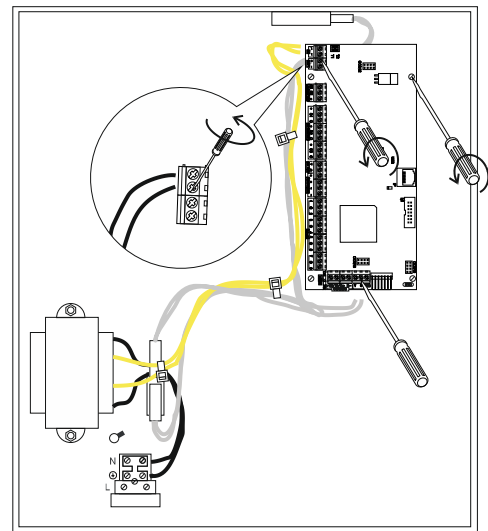
Installation

Note: The following pages show the upgrade process for medium housings. The procedure for large housings is similar, however the cabling may differ. See "Large housing notes" on page 4 for details.

Follow the steps below.

See Figure 2 below.

Figure 2

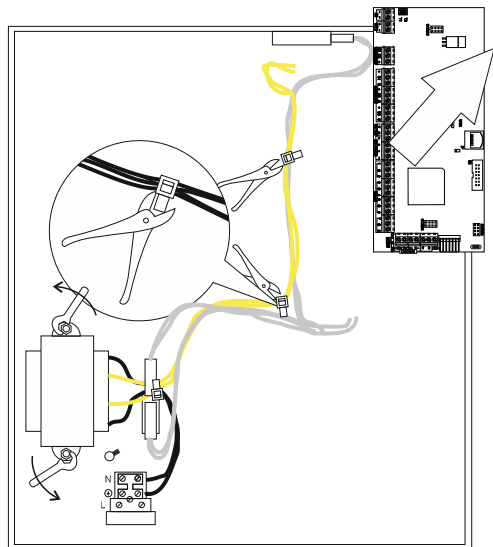


Disconnect all cables from the control panel PCB.

Unscrew the PCB from the housing.

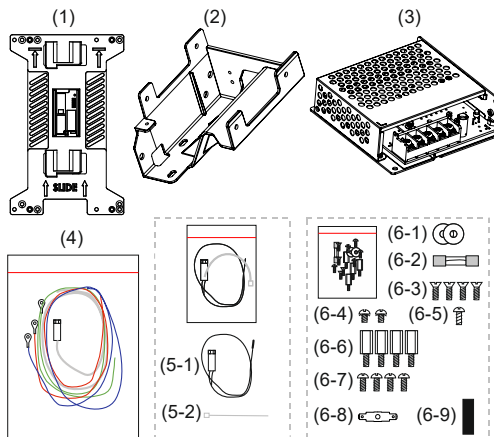
See Figure 3 below.

Figure 3



Kit contents

Figure 1: Kit contents



EVNx700-RETRO Retrofit Kit contains the following items:

- (1) EVERON universal mounting bracket
- (2) EVERON PSU mounting bracket
- (3) EVERON control panel PSU
- (4) Power and earthing cables, and tamper kit cables
- (5-1) NTC temperature sensor
- (5-2) Temperature sensor cable tie
- (6-1) 2X M4 washers for PSU bracket mount
- (6-2) Mains fuse
- (6-3) 4X M3x10 Phillips flat head screws for universal bracket mount
- (6-4) 2X M3x6 round head screws for mounting the PSU in the bracket
- (6-5) 1X 3x6 screw for the earthing cable connection

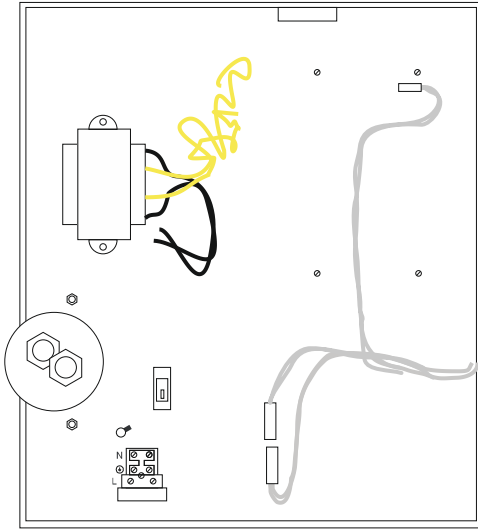
Remove the PCB from the housing.

Cut and remove cable ties.

Unscrew the transformer from the housing.

See Figure 4 below.

Figure 4



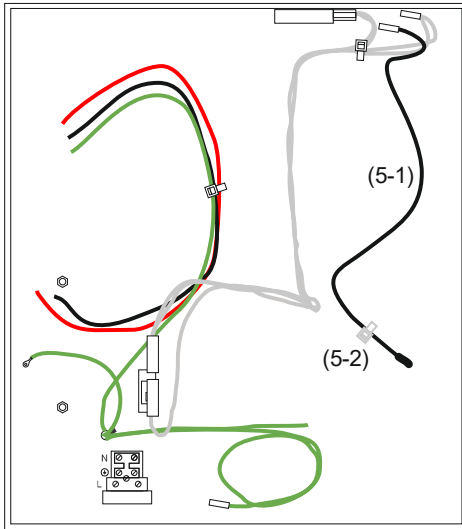
Disconnect tamper connectors and remove all cables.

Remove the transformer.

Note: Keep the hex nuts for the PSU bracket mount.

See Figure 5 below.

Figure 5



Install power supply, tamper kit, and earthing cables from the retrofit kit. Use cable ties if necessary. **Note:** Cable ties are not provided in the kit.

Connect the housing and the pry-off tamper.

Install the NTC temperature sensor (item 5-1). Use the provided cable tie (5-2) if necessary.

Caution: NTC temperature sensor must be mounted close to the battery and connected to the panel PCB.

See Figure 6 below.

Mount the PSU mounting bracket (item 2) in the panel housing. Use the washers from the kit (item 6-1) and existing hex nuts. Next, fit the EVERON control panel PSU (item 3) in the PSU mounting bracket.

See Figure 7 below.

Fix the PSU in the mounting bracket using 2X round head screws (item 6-4), and connect the earthing cable using 1X screw (item 6-5).

Connect power supply and earthing cables to the PSU.

Figure 6

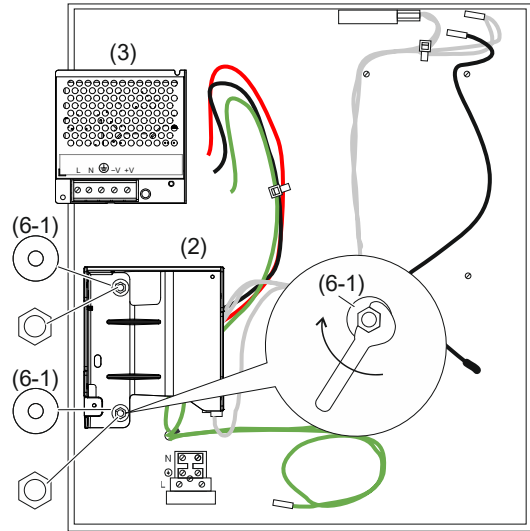


Figure 7

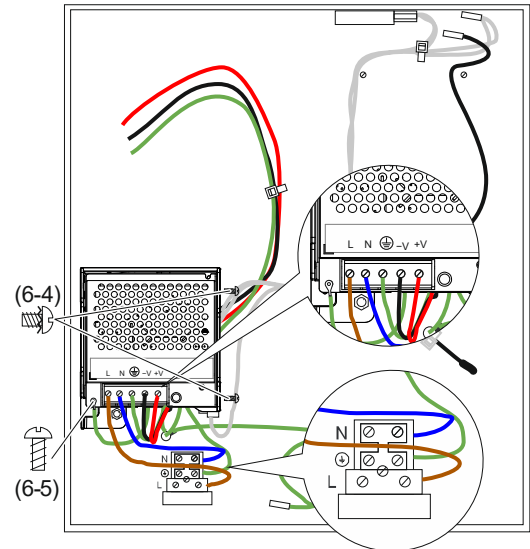
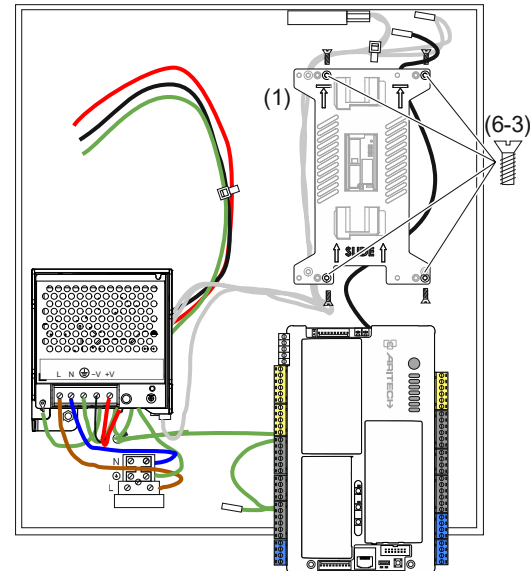


Figure 8



SLIDE mount

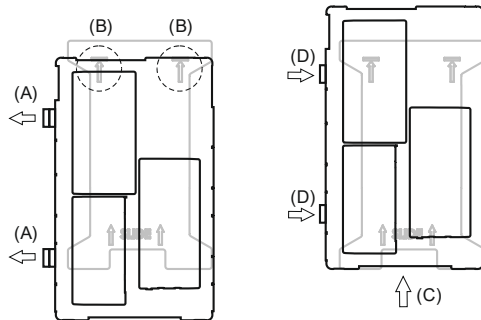
If the space allows the DIN mounting of the EVERON control panel PCB, follow these steps. See Figure 8 on page 2.

Caution: If there is no space to slide the EVERON control panel PCB in, for example, because of the EVERON PSU, or the battery or battery shield installed directly below the PCB, install the EVERON universal mounting bracket in the FIXED position. To do this, see "FIXED mount" below.

Mount EVERON universal mounting bracket (item 1) in the SLIDE position into the panel housing using flat head screws (item 6-3).

Install the EVERON control panel PCB. See Figure 9 below.

Figure 9



Install the EVERON control panel PCB in the EVERON universal mounting bracket following these steps:

- Ensure the two locking devices on the left side of the PCB are in the unlocked position.
- Mount the EVERON PCB in the bracket aligning its top to the markers on the mounting bracket.
- Slide the EVERON PCB up until it clicks into place.
- Press the two locking devices to fix the EVERON PCB in the bracket.

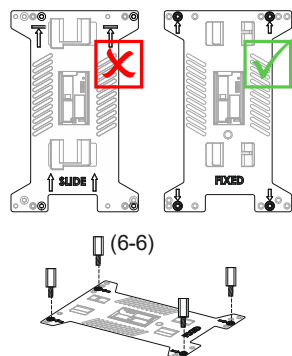
Next, follow the steps in "Connection and fuse replacement" below.

FIXED mount

If you are unable to slide the EVERON control panel PCB into place due to blockage by the EVERON PSU, battery, or battery shield installed directly below the PCB, then you need to install the EVERON universal mounting bracket in the fixed position. To do this, follow the steps given below.

See Figure 10 below.

Figure 10



Position the EVERON universal mounting bracket (item 1) in the FIXED position.

Screw the PCB spacers (item 6-6) in the positions marked with arrows.

See Figure 11 below.

Mount the universal mounting bracket in the control panel housing with flat head screws (item 6-3).

See Figure 12 below.

Fix the EVERON control panel PCB on the universal mounting bracket using round head screws (item 6-7).

Note: To screw the top left screw, remove the output expander slot cover.

Figure 11

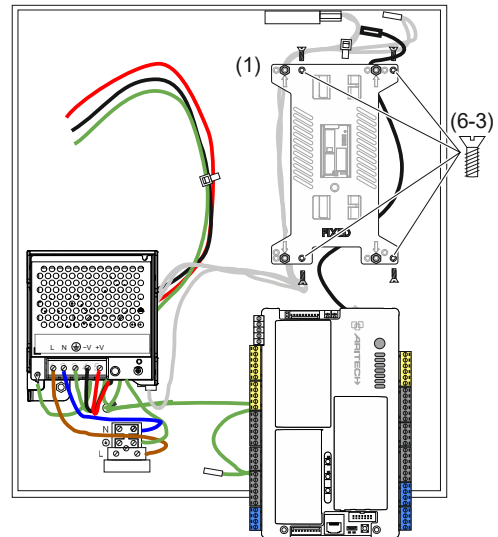
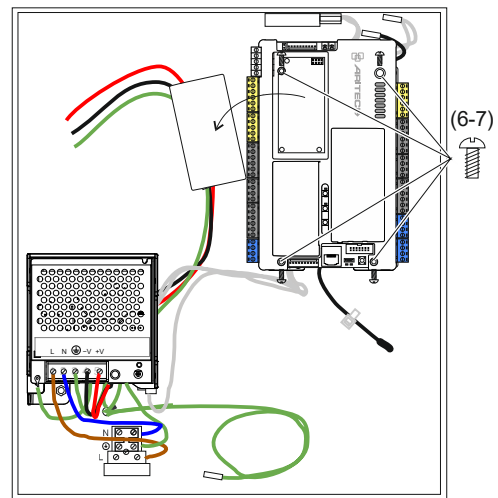


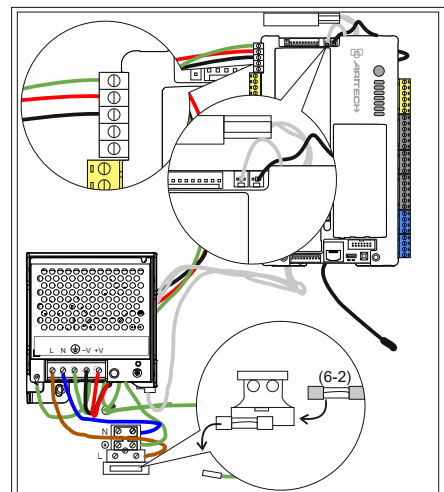
Figure 12



Connection and fuse replacement

See Figure 13 below.

Figure 13



Connect tamper and NTC temperature sensor to the PCB.

Caution: NTC temperature sensor must be mounted close to the battery and connected to the panel PCB.

Connect earthing and power supply cables.

Replace the mains fuse with the one provided with the kit (item 6-2).

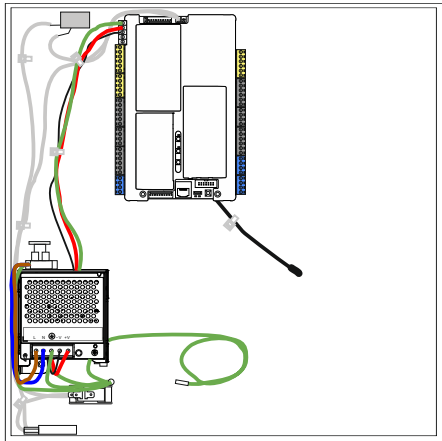
Next, install and connect battery, and connect mains as described in *EVERON Control Panel Installation and Programming Manual*.

Large housing notes

Upgrading the panel in a large housing (LM) is similar to described above. However, note the following differences.

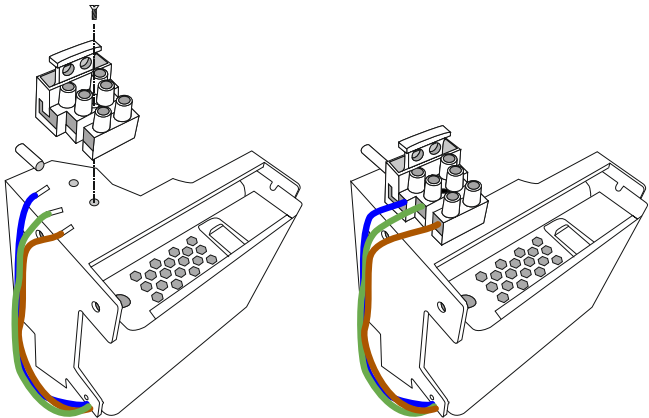
Cables must be put as shown in Figure 14 below.

Figure 14



Unscrew the mains terminal from the housing, and then mount it on the top of the EVERON PSU mounting bracket as shown in Figure 15 below.

Figure 15



Put mains cables on the left of the power supply unit.

Note: Certain large housings do not contain top tamper switch. In such housing use the provided double spade connector terminal (item 6-8) to substitute missing tamper switch. Use the provided heat-shrink tube (item 6-9) to isolate this connection.

Specifications

Compatibility

Replaced control panel:	Replacement:
Advisor MASTER ATS10xx, ATS20xx [1], ATS2000E, ATS21xx(E), Advisor Advanced ATS1000A [1], ATS2000A, ATS1500A [1]	EVN1700
Advisor MASTER ATS34xx(E), ATS40xx, Advisor Advanced ATS3500A	EVN3700

Advisor Advanced ATS4500A	EVN4700
Compatible housings	MM: 315 × 388 × 88 mm MM+: 315 x 445 x 88 mm LM: 475 x 460 x 160 mm

[1] The panel is not equipped with a pry-off tamper. If the pry-off tamper is required, tamper kit ATS-MM-TK must be ordered separately and installed.

Regulatory information

Manufacturer	KGS Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands
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Product warnings and disclaimers



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Product documentation



Please consult the following web link to retrieve the electronic version of the product documentation. This link will guide you to the EMEA regional contact page. On this page you can request your login to the secured web portal where all manuals are stored. <https://firesecurityproducts.com/en/contact>

Contact information

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