

Before installing the IN CEILING screen, please read the following instructions carefully:



- *The IN CEILING screen must be used INDOORS ONLY.*
- *It is forbidden to stay under the IN CEILING screen.*
- *The IN CEILING screen must be installed by qualified personnel only.*

Before installing the screen, please read the following instructions carefully. We would recommend that these instructions are stored safely for future reference.

When opening the packaging of the screen, please **DO NOT USE CUTTERS** or **OTHER SHARP TOOLS** that can damage the screen inside. During opening the packaging and during installation, it is recommended to use work gloves.

Depending on the screen weight, it has to be handled by at least two or three persons taking care to the following ratio **KG/PERSON: MALE 25 kg. – FEMALE 15 kg.**

The manufacturer does not take responsibility for any damage to property or personal injury if the screen is used outside of recommended specifications or in case of incorrect/poor quality installation.

WARRANTY

This projection screen is guaranteed 2 years from the purchase date for manufacturing defects.

Responsibility is limited to repairing or substitution of the defected components and without any other charge at our expense.

Warranty is officially voided if the screen has been dismantled or it is returned with collision damage or defective due to incorrect installation. Repairs must be carried out by an Approved Screen International Certified Engineer.

Warranty is officially voided if:

- 1) the motor is removed / dismantled;
- 2) the screen has been transit damaged;
- 3) the instructions regarding the electrical connections have not been followed;
- 4) the products have to be installed following the electric regulations (CEI) and the other local specific laws;
- 5) in the installation are used electric interfaces that does not allow the correct time lapse between up and down operation (complete cut down of electric power on both phases for half a second)
- 6) electrical accessories have been used that are incompatible with the screen motor causing damage to its internal components;
- 7) the motor end stops have been modified without the authorisation of the factory;
- 8) the sticker regarding the serial number of the product has been altered, deleted, removed or is illegible.

DO NOT install this screen nearby or over heating or air conditioning systems, because PVC is a plastic material which dilates and remains damaged if it is subjected to heat and/or cool air.

DO NOT install this screen either facing direct sun light or blocking a window as PVC could be damaged and make waves for the explanations given above.

The PVC cloth is very sensitive to temperature range. We advise to mount the screen in environments with an ambient temperature in the range of 18°-25°C.

We advise you to wait 2 hours for the screen to acclimatise before using the screen after delivery, especially if screen is brought into a warm environment from cold.

In case the screen is new or it has been rolled up for long time, roll down the screen and leave it open for ca. 24/48 hrs. with an ambient temperature in the range of 18°-25° C in order to get a perfect flatness of the cloth

DO NOT WASH the projection surface with alcohol or solvent nor with commercial cleaners. Every now and then dust the surface with a dry and clean duster.

Please, be very careful because any kind of stain on projection surfaces is inerasable.

The screen has to be used showing the total projection sizes indicated on the packaging; therefore it is **NOT** allowed to adjust the end stops to restrict the total drop or extend it. Restricting the total drop of the screen is likely to cause your screen surface to lose its flatness.

When the screen is not completely rolled down (as by factory setting), flatness of the cloth is **NOT** guaranteed and therefore not covered by warranty.

DO NOT HANG TO THE SCREEN and **DO NOT HANG ANY OBJECT** to it. Please take care that children **DO NOT PLAY** with the screen as they can get severely injured.

The manufacturer will not accept returns of screens for repair without manufacturer's authorization (RMA number) and without a suitable packaging.

WARNINGS: ONCE PROJECTION IS FINISHED, ROLL UP THE SCREEN (keeping the screen rolled down can cause deformations to the projection surface)

When you open the packaging, please CHECK that it contains ALL the components below. In case one or more components are missed, please refer to the dealer you purchased the product from.

1. Nr. 1 IN CEILING screen



2. Nr. 2 ceiling mounting brackets



3. Nr. 4 metal threaded rods 100 cm. long x M8

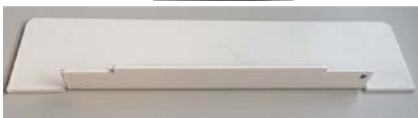


3. Nr. 12 washers M8



4. Nr. 12 nuts M8

5. Nr. 02 magnets



6. Nr. 02 white side profiles



7. Nr. 1 on/off switcher

8. Nr. 1 installation manual

INSTALLATION INSTRUCTIONS

The product has to be installed and used conform to the laws in force within the country where the product is used.

During installation, please take care to use security belts in order to secure the screen housing.

In case of dirty and dusty environments, you can remove the roller tube with projection cloth from the housing.

- Open the trapdoor (located at the lower side of the housing) manually by pulling it (the trapdoor is kept closed by magnets inside it) and cut the wire clamps located left and right from the dowel bar. Furthermore, remove also the packaging foam parts from the dowel bar.
- Remove also the brackets where the magnets attach on (see central and right pictures below) and stock them in a safe place in order to remount them later on.



- Pull from inside the screen housing the power cable for approx. 1 mt.
- At the right side of the roller tube where the motor is located, unscrew the two bolts that keep the side brackets fixed (see central picture below). Release the bracket with the roller tube and pull it toward right in order to get it out from the screen housing.
- Release the power cable from the motor (see right picture here below).



WARNING: Roller tube with projection cloth has to be stocked TAKING CARE to protect it with a clean plastic sheet and placed it inside the carton box of the screen. Please be careful that the carton box is clean and empty so that the projection surface does NOT TOUCH anything that could cause permanent marks on it.

In order to reinstall the roller tube with projection cloth into the screen housing, please follow the instructions above back links.

The IN CEILING screen can be installed either on a ceiling where afterwards the false ceiling will be built around the screen or into an existing false ceiling.

A - IN CEILING SCREEN INSTALLATION where afterwards the false ceiling will be built around the screen.

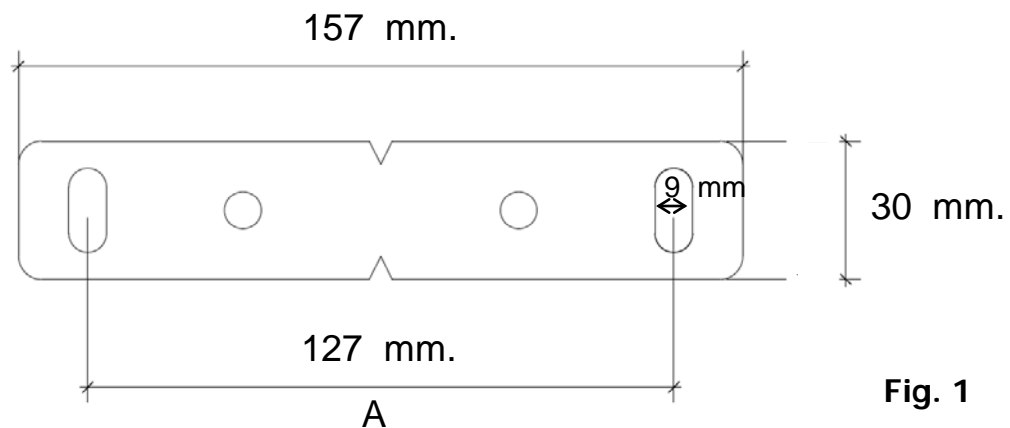


Fig. 1

TECHNICAL DRAWING CEILING MOUNTING BRACKET

In order to mount the IN CEILING screen to the concrete ceiling please proceed as follows:

- 1. A** Drill two holes (suitable for wall plugs and screws NOT included in the packaging) in the concrete ceiling at a distance of 127 mm for each ceiling bracket (DISTANCE A – Fig. 1) whereas for the distance of the holes between each bracket, follow the drawing and the scheme below (DISTANCE B – Fig. 2):

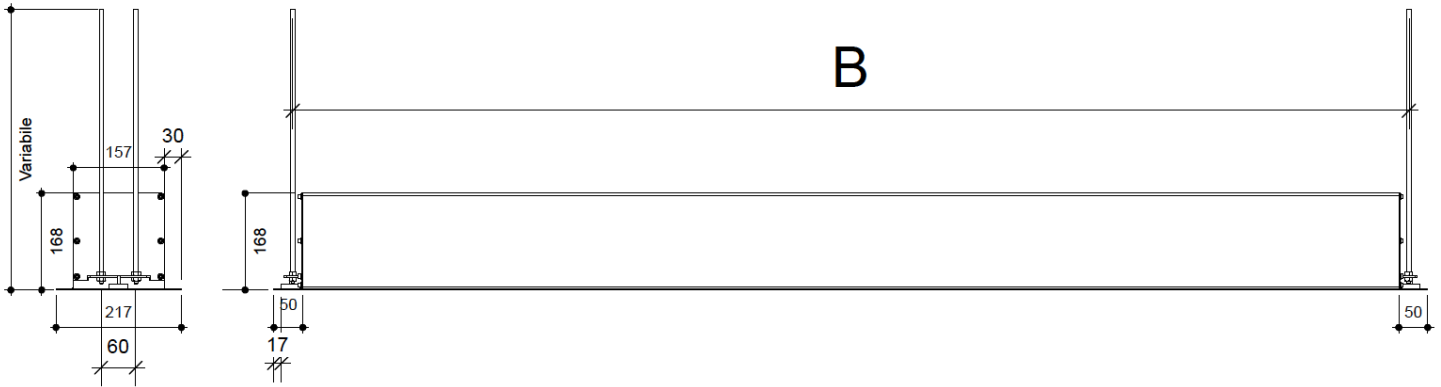


Fig. 2

SCREEN MODEL	DISTANCE (B)
IN CEILING PROFESSIONAL (no black side borders)	Width of viewing area + 23,5 cm.
IN CEILING HOME CINEMA (with black side borders)	Width of viewing area + 33,5 cm.
IN CEILING TENSIONED	Width of viewing area + 52,5 cm.

Example: If you bought a IN CEILING HOME CINEMA 200X125, the width of the viewing area is 200 cm., and the distance B has to be 200 cm. + 33,5 cm. = 233,5 cm.

- 2. A** Fix the ceiling mounting brackets onto the concrete ceiling with suitable wall plugs and screws (NOT SUPPLIED) – ref. Fig. 3



Fig. 3

- 3. A** Cut the metal threaded rods at the desired length, taking care that the metal rod has to be screwed inside the ceiling bracket for 10 mm. and firmly tightened with a washer and a M8 nut onto the ceiling bracket (Fig. 4). Lift the screen up (taking care the label "AUDIENCE SIDE" is towards the audience) and insert the lower end of the threaded rods inside the holes of the side plate on each side of the screen cabinet, for 13 mm and firmly tightened the upper and lower washers and nuts M8 supplied (Fig. 5).



Fig. 4



Fig. 5

Now proceed at point 4.

B. IN CEILING SCREEN INSTALLATION into an existing false ceiling

In order to install an IN CEILING screen in an existing false ceiling, you need to have the possibility to access inside the false ceiling.

- B** Cut the hole in your false ceiling following the indications in Fig. 6 (distance L) and drill into the concrete ceiling two holes at a distance of 127 mm. in order to fix the ceiling mounting brackets (see DISTANCE A - Fig. 1), whereas for the distance of the holes between each bracket, follow the drawing and the scheme below (DISTANCE B) in Fig. 6.

SCREEN MODEL	LENGHT OF THE HOLE (L)	DISTANCE (B)
IN CEILING PROFESSIONAL (no black side borders)	Width of viewing area + 28,5 cm.	Width of viewing area + 23,5 cm.
IN CEILING HOME CINEMA (with black side borders)	Width of viewing area + 38,5 cm.	Width of viewing area + 33,5 cm.
IN CEILING TENSIONED	Width of viewing area + 57,5 cm.	Width of viewing area + 52,5 cm.

WIDTH OF THE HOLE: 16,5 CM.

Example: If you bought a IN CEILING HOME CINEMA 200X125, the width of the viewing area is 200 cm. and the width of the hole L has to be 200 cm. + 38,5 cm. = 238,5 cm., whereas distance B has to be 200 cm. + 33,5 cm. = 233,5 cm.

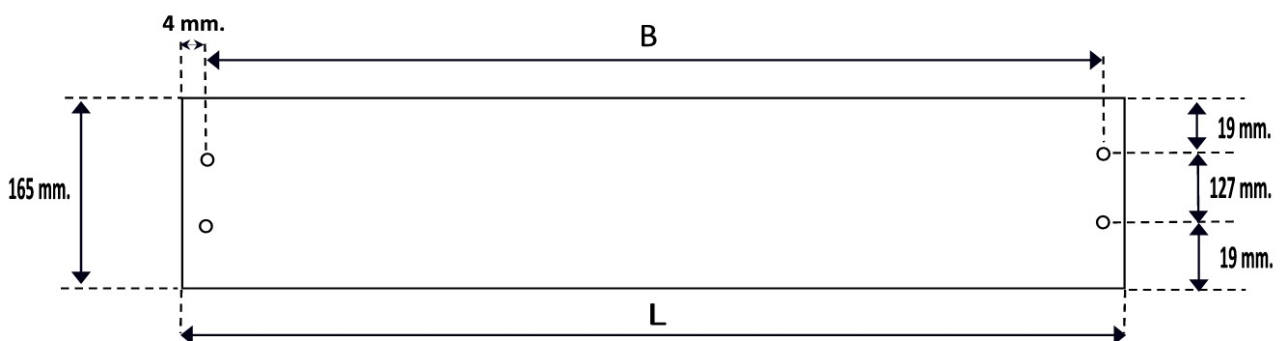


Fig. 6

- B** Fix the ceiling mounting brackets onto the concrete ceiling with suitable wall plugs and screws (NOT SUPPLIED) – ref. Fig. 3

3. **B** Cut the metal threaded rods at the desired length, taking care that the metal rod has to be screwed inside the ceiling bracket for 10 mm. and firmly tightened with a washer and a M8 nut onto the ceiling bracket (Fig. 4). Lift the screen up (taking care the label “AUDIENCE SIDE” is towards the audience) and insert the lower end of the threaded rods inside the holes of the side plate on each side of the screen cabinet, for 13 mm and firmly tightened the upper and lower washers and nuts M8 supplied (Fig. 5).

Now proceed at point 4.

4. In case the roller tube with projection cloth has been removed before installation, mount it again inside the screen housing following, back links, the instructions at page 2.

In case the roller tube with projection cloth has NOT been removed, open the trapdoor (located at the lower side of the housing) manually by pulling it (the trapdoor is kept closed by magnets inside it) and cut the wire clamps located left and right from the dowel bar. Furthermore, remove also the packaging foam parts from the dowel bar. Close the trapdoor.

5. ELECTRIC CONNECTION

Connection of the power supply must be carried out by qualified personnel only, using the scheme showed on the drawing below (Fig. 7). Pay attention to wires colour and fix the switcher near the screen because the rolling up or down of the projection surface should be visible to the operator!! **NEVER CONNECT MORE THAN ONE SCREEN MOTOR TO THE SAME SWITCHER.** Use the supplied switcher only. IN CASE OF MAINTENANCE, UNPLUG THE POWER SUPPLY.

In case the screen is controlled via relais, take care that the control system is programmed so there is no tension on the relais for at least 1 sec. during switching between rolling up and rolling down operations and viceversa.

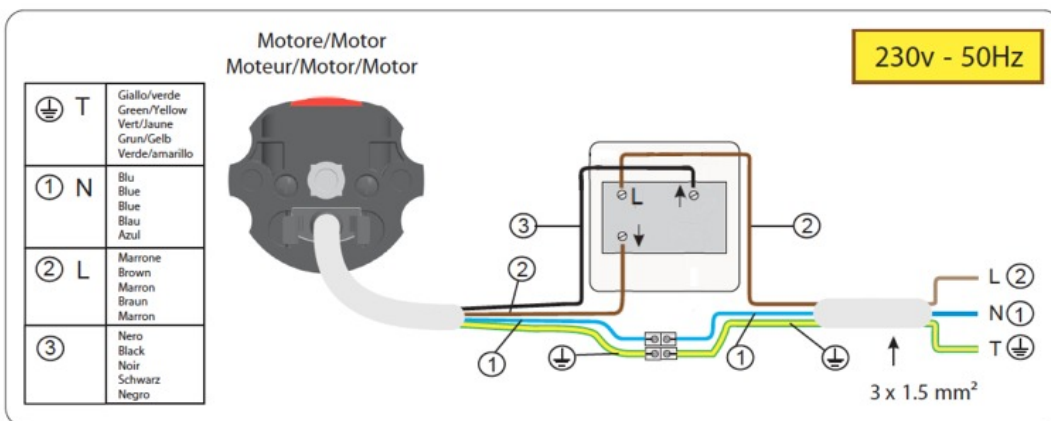


Fig. 7

If installation is for an non existing false ceiling (option A), you can now build around the IN CEILING screen the false ceiling.

6. Now roll down and up the screen in order to test the complete installation.

7. Screw the magnets into the left and right side plate of the screen housing (Fig. 8).
Fix the white side profiles left and right onto the magnets (Fig. 9).

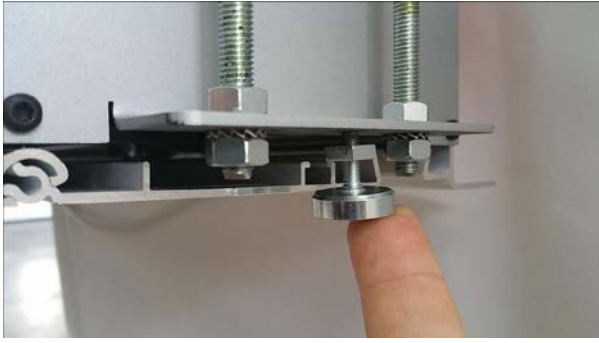


Fig. 8



Fig. 9

WARNING: CHECK BY REMOVING THE WHITE SIDE PROFILES, EVERY 6 MONTHS THAT SCREWS, WALL PLUGS AND BRACKETS ARE IN GOOD CONDITIONS AND WELL TIGHTENED.