

INSTALLING INSTRUCTIONS

OF

SCREEN WINCH FOR MAJOR PRO-C (mar-2022)



Before installing the screen winch system, please read the following instructions carefully:



- *The screen winch system must be used **INDOORS ONLY**.*
- *The screen winch system must be installed by **qualified personnel only**.*
- **NEVER CONNECT MORE THAN ONE MOTOR TO THE SAME SWITCHER. USE THE SUPPLIED SWITCHER ONLY.**
- **NEVER CONNECT SCREEN WINCH MOTOR AND SCREEN MOTOR TO THE SAME SWITCHER.**
- **IN CASE OF MAINTANANCE, UNPLUG THE POWER SUPPLY.**
- *In case the screen winch 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.*
- **IT IS FORBIDDEN TO OPERATE SCREEN WINCH SYSTEM AND PROJECTION SCREEN SIMULTANEOUSLY (RISK OF PERMANENT DAMAGE ON THE MOTORS. YOU HAVE TO ACTIVATE FIRST THE WINCH UNIT AND AFTER IT HAS REACHED THE BOTTOM END STOP, YOU CAN ROLL DOWN THE PROJECTION SCREEN, TAKING CARE TO UNPLUG POWER SUPPLY TO THE WINCH BEFORE OPERATING ON THE SCREEN.**
- **IN CASE OF NEED TO ACTIVATE BOTH MOTORS SIMULTANEOUSLY, PLEASE INSTALL THE MULTIPLE CONTROL INTERFACE SET BETWEEN**

SWITCHER AND WINCH AND BETWEEN SWITCHER AND PROJECTION SCREEN.

- **Half-yearly the screen winch system has to be checked. Please see check register on page 6 of this document.**
- **It is forbidden to stay under the screen winch system.**
- **For any repairing, please contact directly the dealer you purchased the unit from.**



The manufacturer and his agents do not take responsibility for any damage to property or personal injury if the lift is used outside of recommended specifications.

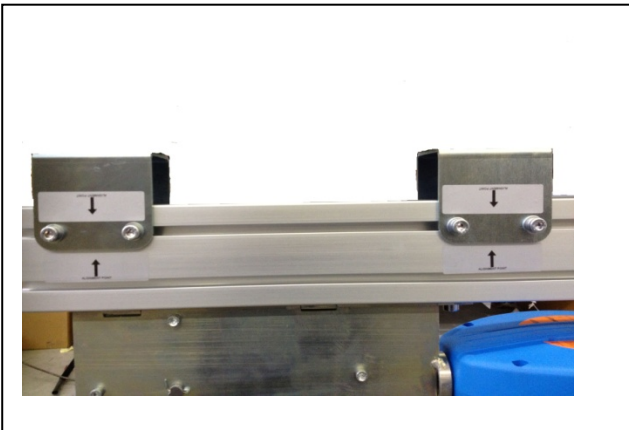


This product uses a 230 V AC motor. **DO NOT** attempt to carry out repairs to the motor, there are no user serviceable parts.

Incorrect servicing could lead to risk of electric shock. For any repairing, please contact directly the dealer you purchased the unit from. In the event of a fault please contact the dealer /supplier. Warranty is 24 months Return To Base.

The screen winch system is  certified.

The screen winch system is ready to be lifted up towards the ceiling using the brackets mounted at the upper side



Use all the “five” brackets to fix the winch to the ceiling.

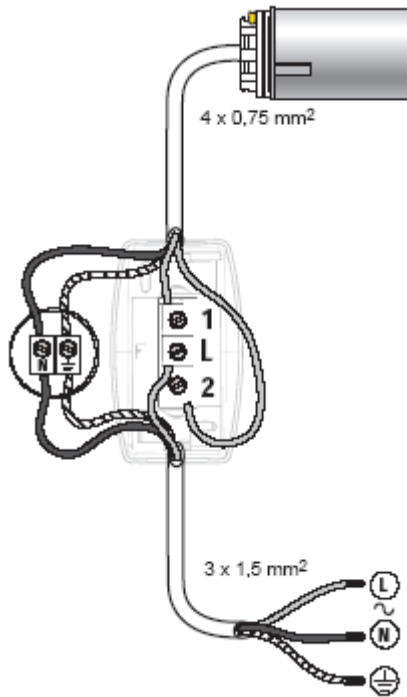
If needed you can move these brackets a couple of centimeter left or right.

Do the same at the left, center and right end of the structural beam.

Take care to use adequate screws and wall plugs, (not included in the packaging) in order to fix and support at the ceiling the winch system and screen (total weight approx. 200 Kg.).

ELECTRIC CONNECTION OF SCREEN WINCH SYSTEM

Connection of the power supply must be carried out by qualified personnel only, using the scheme showed below. Pay attention to wires colour and fix the switch near the winch system because during the scrolling up or down the winch should be visible to the operator!! Never connect more than one motor to the same switcher. Use the supplied switcher only.



MORSETTI TERMINALS	ALIMENTAZIONE POWER SUPPLY	MOTORE (EUR) MOTOR (EU)	MOTORE (US) MOTOR (US)
L	FASE PHASE (L)		
N	NEUTRO NEUTRAL (N)	BLU BLUE	BIANCO WHITE
W	TERRA EARTH (W)	GIALLO VERDE YELLOW/GREEN	VERDE GREEN
1		NERO O MARRONE BLACK OR BROWN	NERO O ROSSO BLACK OR RED
2		NERO O MARRONE BLACK OR BROWN	NERO O ROSSO BLACK OR RED

Fix at each winch steel cable (left and right) a ballast weight of 5 Kg. and activate the motor of the winch system in order to roll down both steel cables. In case it stops in a too high position, adjust the end stop.

To adjust the lower end stop of the winch system, press the yellow button on the motor, activate the switcher of the motor in downwards direction till you reach the desired position and release the yellow button in order to memorize the end stop position.



Fit the mounting system of the winch steel cables into the grooves located in the upper part of the screen housing. See picture left.

Do the same at the left side of the screen.



This mounting system has to be positioned at 15,5 cm from the end of the screen housing. See picture left.

Tight well the screws of the mounting system.

Do the same at the other side of the screen housing.



Now connect the steel cable of the safety system like shown in the picture left.

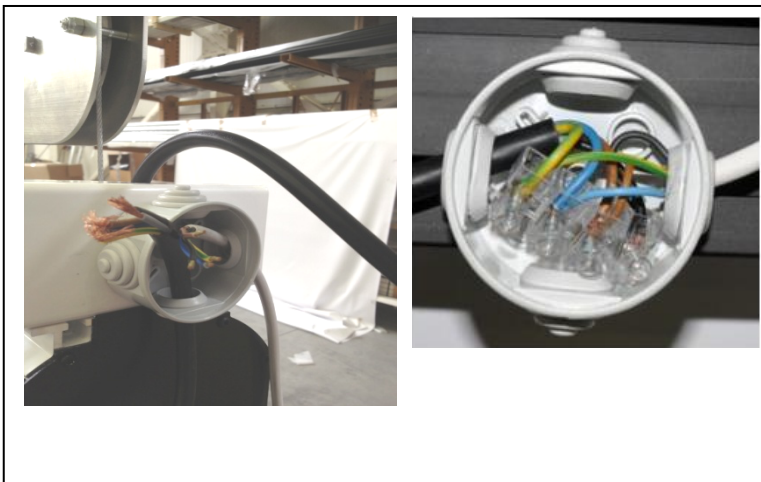
Do the same with the other safety system steel cable at the opposite part of the screen housing.



At the right side of the screen housing, mount the white bracket needed for the power cable of the cable coiler. Fit also this bracket into the grooves located in the upper part of the screen housing and fix it with the supplied screws.



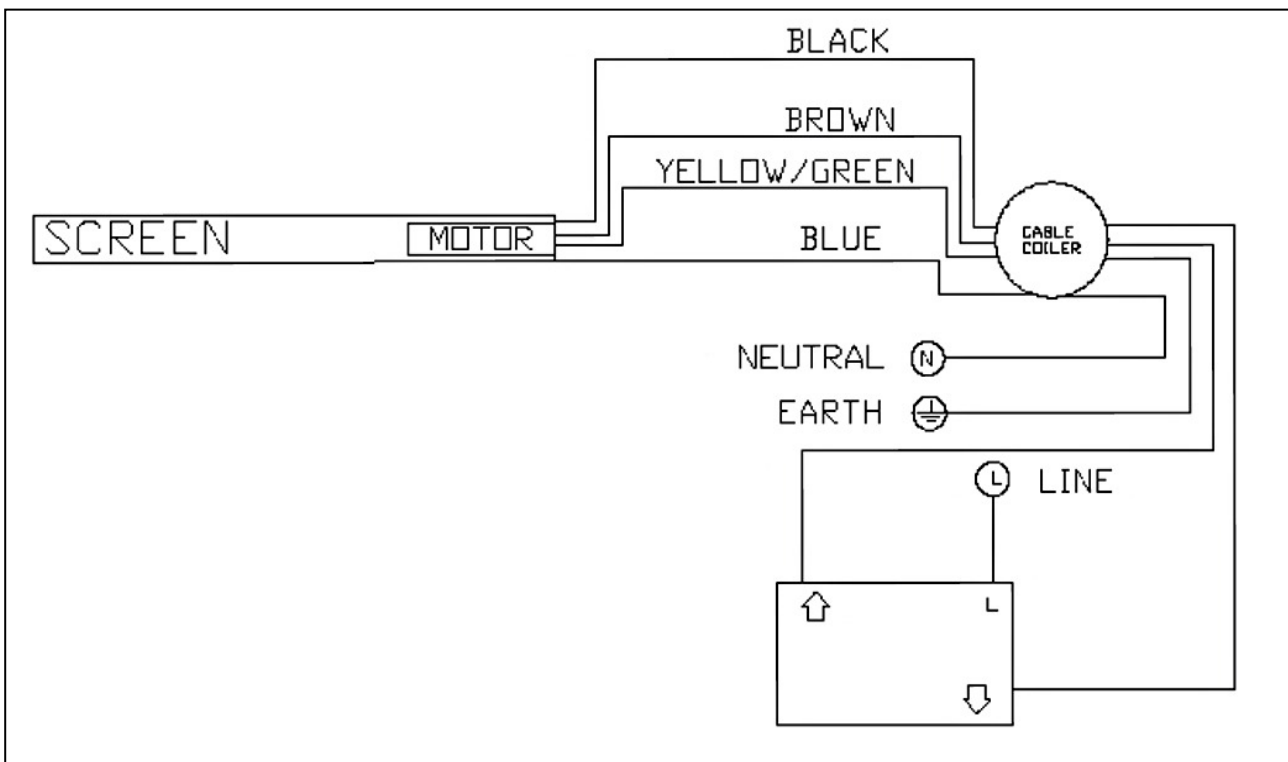
Fit the power cable of the cable coiler through the upper hole of the white bracket and block it with the supplied wire clamp. See picture left.



Cut the power cable of the electric screen to the desired length and fit it into the power connector box together with the output power cable of the cable coiler.

Connect the cables together, with the connectors supplied (as shown in picture left).

For the electrical connection of screen and the input cable of the cable coiler to the 220 V mains, see schematic diagram below, using the supplied switcher.



Now the screen winch is ready to be used.

END STOPS SETTINGS

Before to set the desired positions of lower end stop, roll up and down the winch a couple of times, so that the steel cables are settled well.

Take care that the upper end stop adjustment is not positioned too close to the winch mechanism, because this can damage the mechanism. **The HIGHEST upper end stop ALLOWED is that the upper part of the screen housing stops at least at 2 cm. distance from the green strip of the triangular part.**

WHITE BUTTON ON THE MOTOR IS FOR SETTING OF UPPER END STOP

YELLOW BUTTON ON THE MOTOR IS FOR SETTING OF LOWER END STOP

Please take extreme care and ensure you can always stop motor during this process.

To **adjust the upper end stop** press the **WHITE** button on the motor (see Fig. 2). The WHITE button will now be latched in the open position and the original motor limit will be erased. Run the motor in the up direction and stop the motor once you have reached the desired position. With the motor stationary, release the WHITE button (see Fig. 1). This have now stored the current position. Please lower the winch a small distance and retract making sure the new position is stored correctly.

To **adjust the lower end stop** press the **YELLOW** button on the motor (see Fig. 3). The YELLOW button will now be latched in the open position and the original motor limit will be erased. Run the motor in the down direction and stop the motor once you have reached the desired position. With the motor stationary, release the YELLOW button (see Fig. 1).

This have now stored the current position. Please retract the winch a small distance and lower it making sure the new position is stored correctly.

