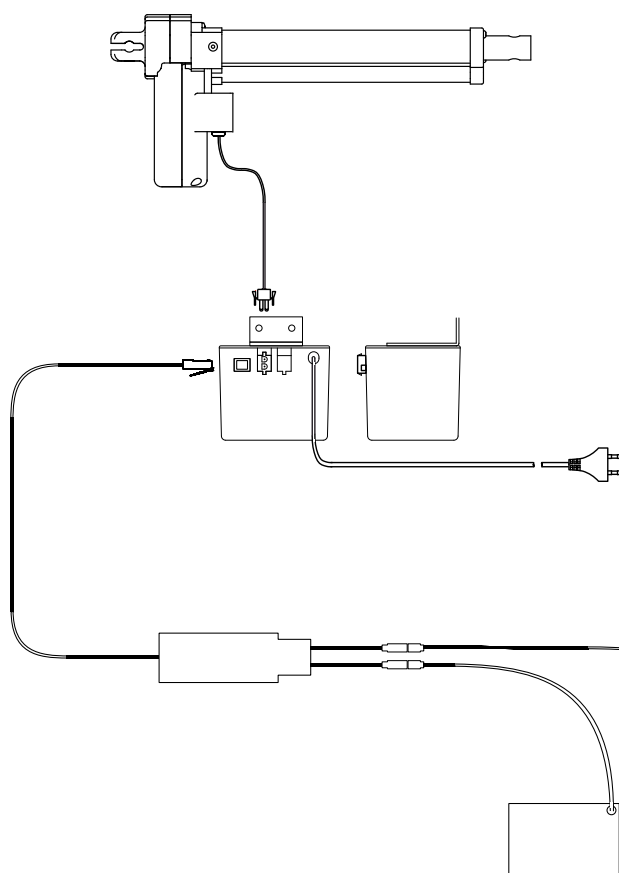


Kit M1/M2 TOUCH PAD

Operation manual

- Thank you very much for purchasing our product.
- Before using it, read thoroughly this operation manual and follow the safety precautions.
- Retain this manual for future reference.
- Before using this product, check the regular functioning of the product.



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DESCRIPTION: -		
EDITED: M.CHIARAVALLOTTI	CHECKED: M.CHIARAVALLOTTI	APPROVED BY: A.BAIONI

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Important

In order to avoid damages to people, animals or/and objects, be sure to follow the safety precautions contained in this manual.

The following symbols of WARNING and CAUTION will be used to classify the different levels of danger or damage.

Meaning of symbols



WARNING: Possibility of danger and death.

CAUTION: Possibility of damage to people, animals or/and objects..

Symbols



The triangle indicates “CAUTION”. Cautionary details are explained by words or a diagram inside or close to the symbol. The example shown on the left warns against “ELECTRIC SHOCK”.



The circle with the bar indicates “PROHIBITION”. Cautionary details are explained by words or a diagram inside or close to the symbol. The example shown on the left warns against “DISASSEMBLY”.



The symbol indicates “COMPULSORY OPERATIONS”. Cautionary details are explained by words or a diagram inside or close to the symbol. The example shown on the left indicates “GENERAL MANDATORY OPERATIONS”.

Safety precautions



This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

Every kind of maintenance work has to be executed by specialized staff or directly at an authorized CIAR repair center.

All maintenance works or repairs have to be executed with the adequate appliances to avoid damaging the cables;

All connections have to be installed exactly in the way the manual describes;

Do not connect any supply units or electrical mechanisms that differ from the ones described in the manual;

Do not connect the feeder in a socket with different voltage than indicated in this manual;

Do not water any of the components;

The mechanism has to be unplugged before any repairs, dismounting or any other operation which could include parts under voltage are executed (the plug and the cable tree).

Do not expose the hand control to the sunbeams.

CONDITIONS OF STORAGE AND USE

Operation ambience:

Temperature: from 0C° on to 40C°

Humidity: from 20 on to 70% (without condensation)

Storage ambience:

Temperature: from -10C° on to 70C°

Humidity: from 10 on to 70% (without condensation)

GENERAL CHARACTERISTICS

Maximal load capacity: 4000N

Supply voltage : 230/240 V ±10%

Frequency : 50/60 Hz ±10%

Power: 110W

Duty cycle: 2 min. On / 5min. Off

WARRANTY

C.I.A.R. guarantees the product for two years from the date of purchase. During the warranty C.I.A.R. agree to repair or substitute (own discretion) the products that should be faulty.

The warranty is not valid for defects or damages resulting from:

- Not correct maintenance from the customer
- Alterations, not correct use or not authorized use
- Conditions of storage and use not correct
- Abuse of duty cycle
- Shipment damages due to not correct packing

NORM

The kit is designed according to:
89/336/CEE electromagnetic compatibility;
EN55014-1, EN55014-2 electromagnetic compatibility;
73/23/CEE electric safety;
EN 60335-1 electric safety;

Protections



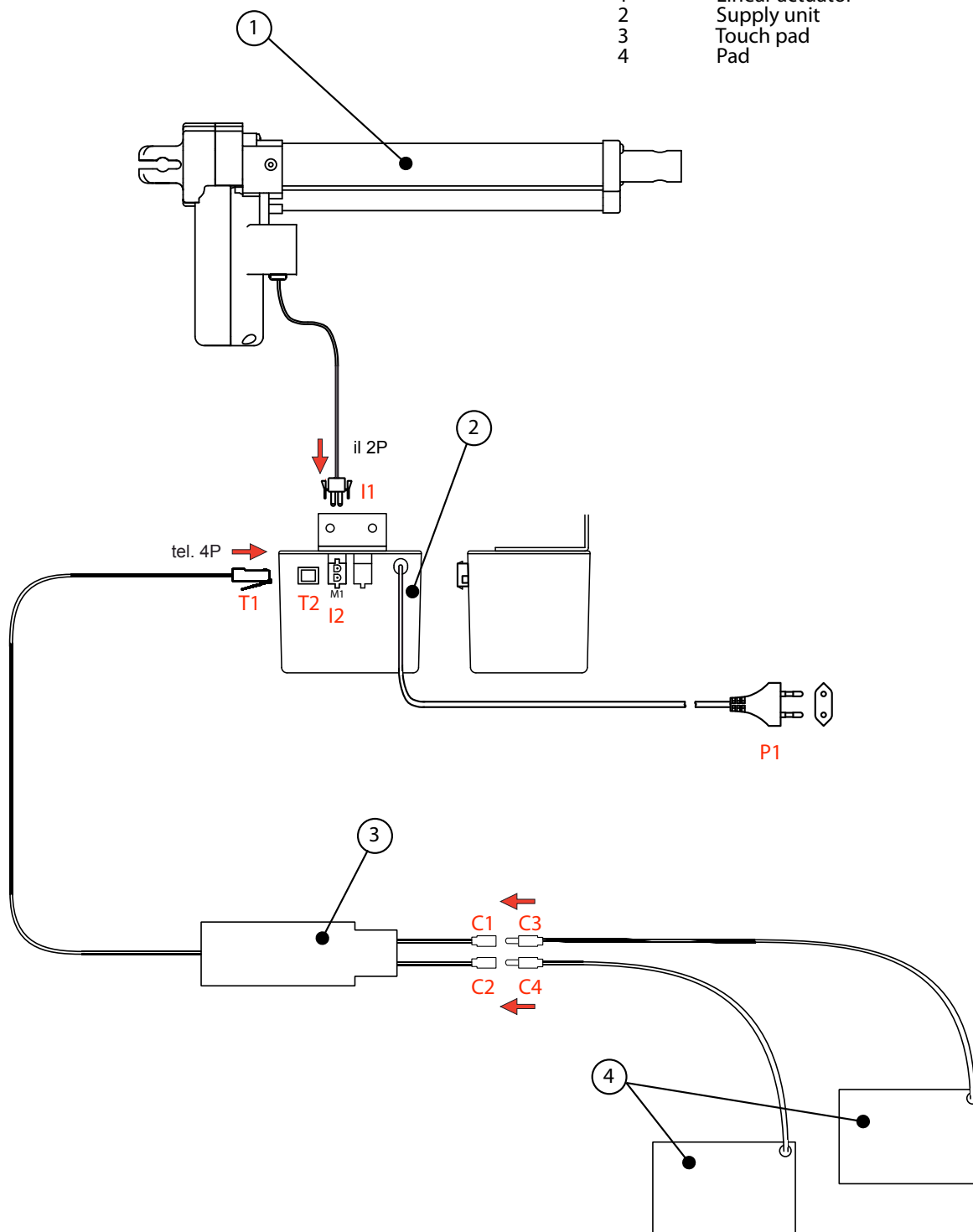
KIT PROTECTION:

- RESETTABLE FUSE OF THE SUPPLY BOX.
- ELECTRONIC PROTECTION AGAINST OVERLOADS EQUIPPED WITH DIFFERENTIATED THRESHOLD FOR EACH ACTUATOR.

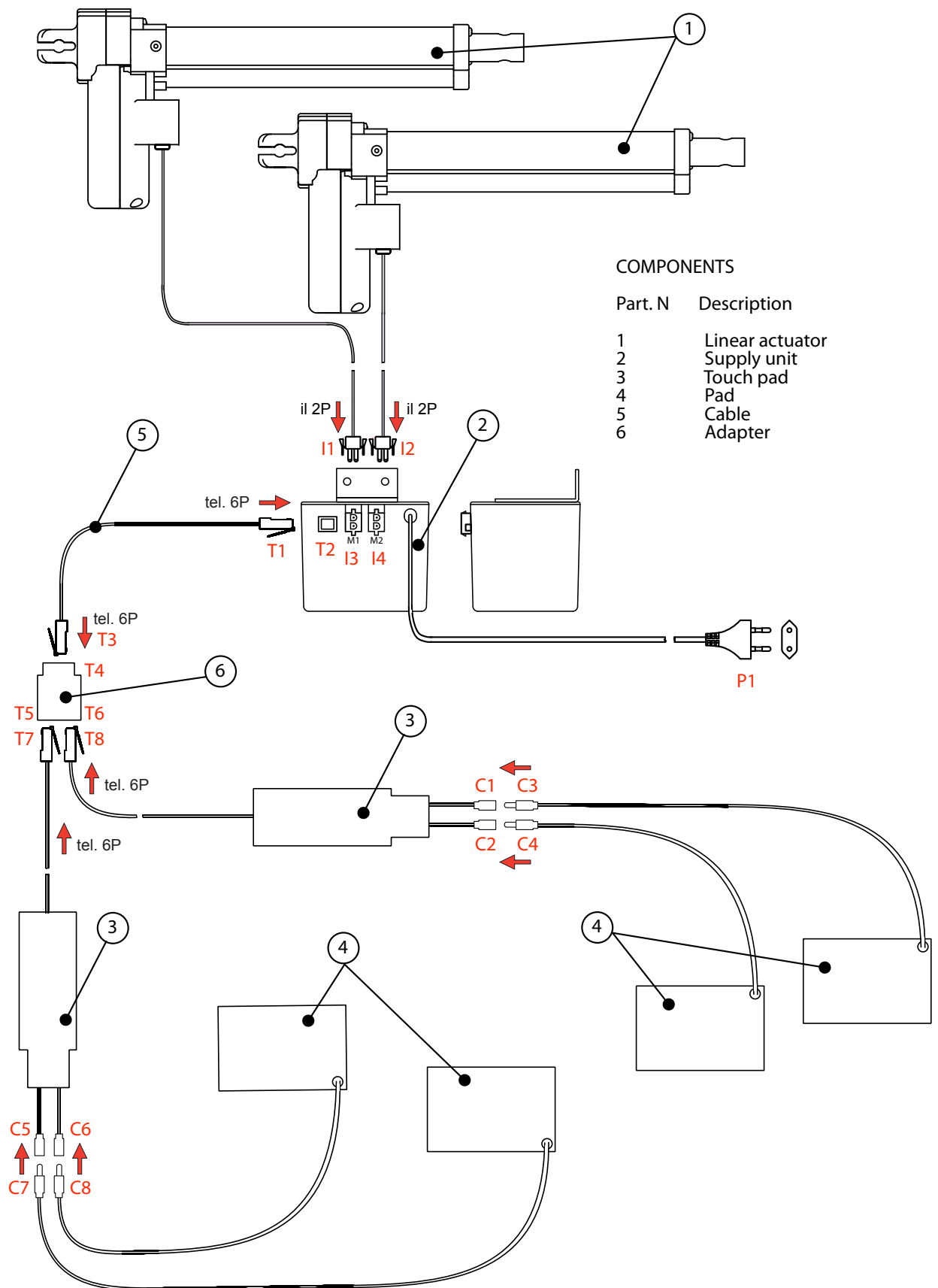
Kit M1 touch pad assembling

COMPONENTS

Part. N	Description
1	Linear actuator
2	Supply unit
3	Touch pad
4	Pad



Kit M2 touch pad assembling



COMPONENTS

Part. N	Description
1	Linear actuator
2	Supply unit
3	Touch pad
4	Pad
5	Cable
6	Adapter



- 1 - Install The touch pads (4) in the desired position. The pads are equipped with adhesive tape for fixing (see paragraph “Precautions for assembling”)
- 2 - Place and fix the touch pad control board (3) (see paragraph “Precautions for assembling”)
- 3 - Connect the wires of the pads (4) to the control board (3) respecting the color of the wires (BLACK with BLACK and RED with RED)
- 4 - For the M1 Kit version plug the 4 poles telephonic plug of the control board (3) in the respective telephonic socket of the supply unit (2)
- For the M2 Kit version, plug the two 6 poles telephonic plugs of the control board (3) in the adapter (6). Connector through the extension cable (5) the adapter (6) to the telephonic socket of the supply unit (2)
- 5 - Insert the INAR LOCK Plug/s (M1-M2) of the actuator/s (1) in the respective sockets (M1-M2) of the supply unit (2)
- 6 - Connect the main cord to the net power (See chapter “General characteristic Supply Unit type SU15”)



Precaution for assembly



The pads (4), the control board (3) and the corresponding connection wires must be positioned in a way to be at least 2cm far away from all metal parts, other electronic circuits, transformers and electrical wires.



For a correct operation the pads (4) must be inserted under the first substrate of external upholstery (leather, fabric, microfiber, etc.).



The minimum distance between one pad (4) and the other must be at least 15cm. Anyhow is necessary to assure a distance that doesn't produce a mutual interference between the two activators during normal operation.

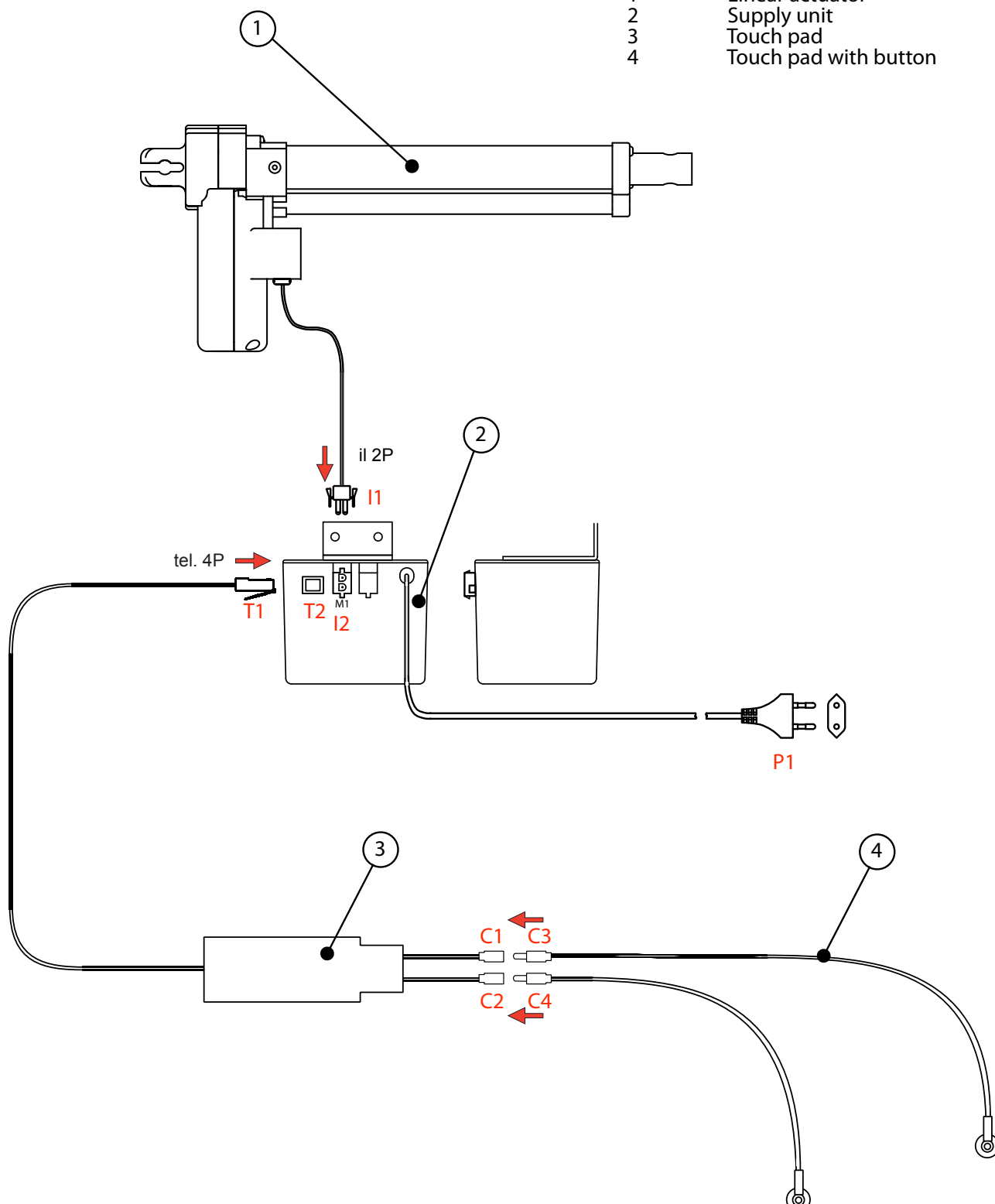


Assemble the components taking care not to pull or snatch the connections, considering the mechanism in every usage configurations (position)

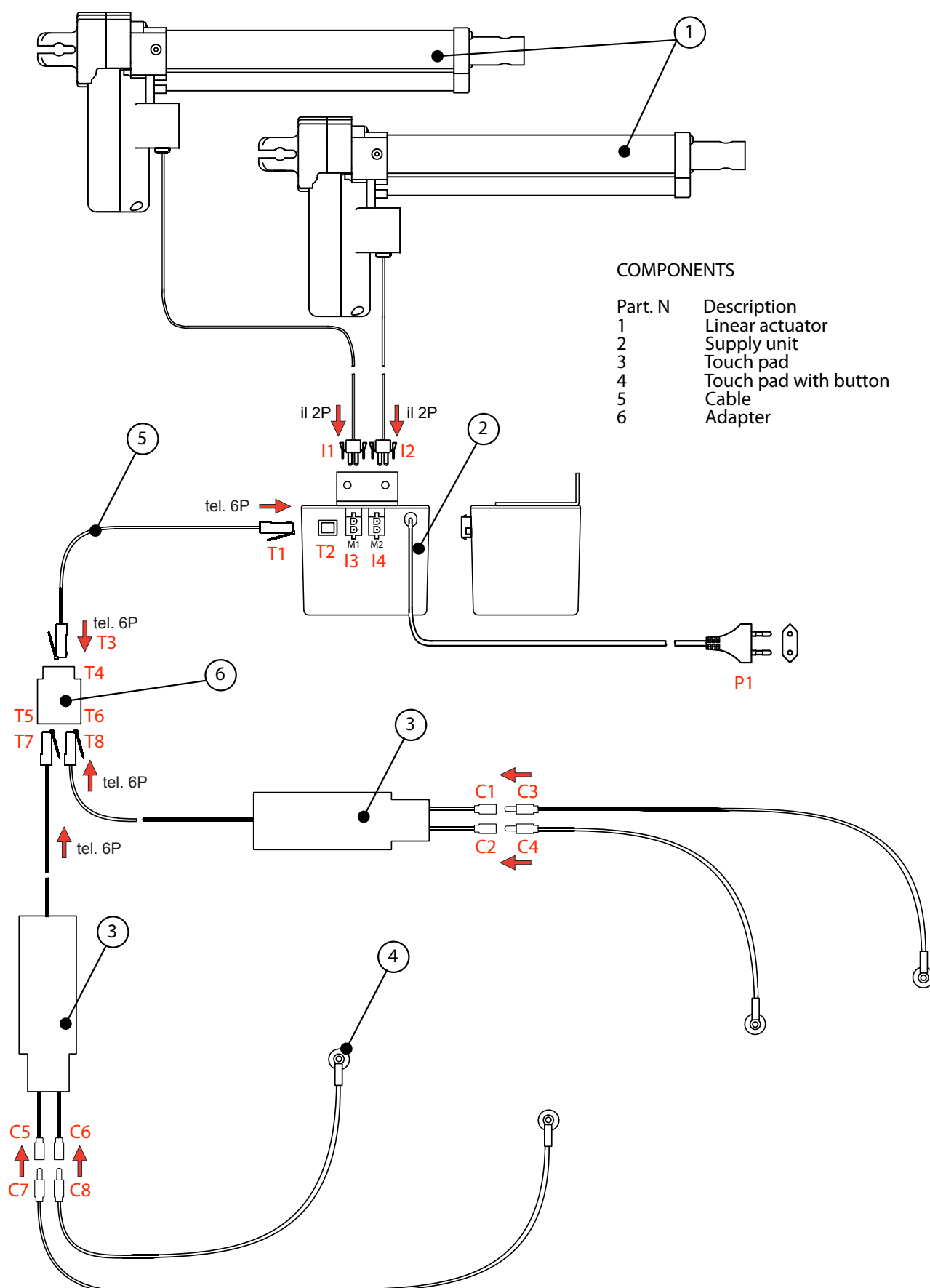
Kit M1 touch pad assembling (with button)

COMPONENTS

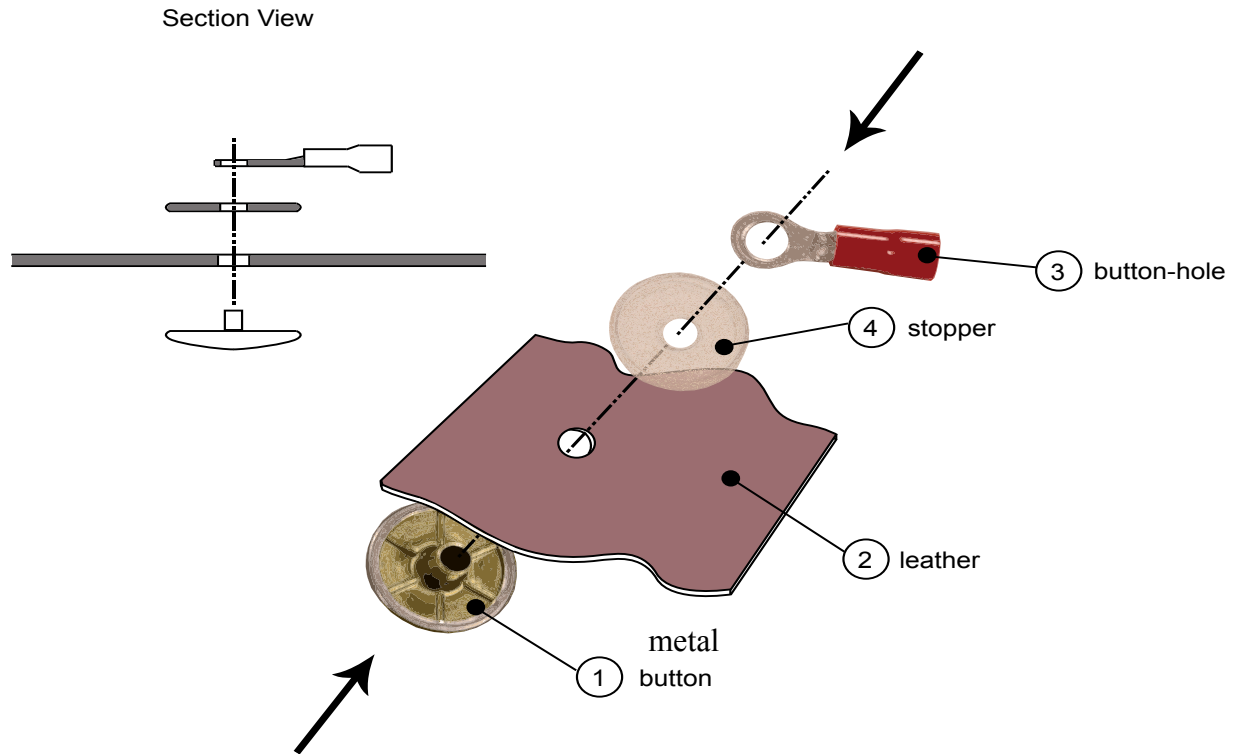
Part. N	Description
1	Linear actuator
2	Supply unit
3	Touch pad
4	Touch pad with button



Kit M2 touch pad assembling (with button)



touch pad assembling with button



Instructions



1 - Insert the metal button (1) in the corresponding hole of the leather and/or fabric used for upholstery

2 - Place in sequence, as shown in the picture, the plastic cap (4) and the buttonhole (3). Rivet with the special instrument in order to fix it to the metallic button (1)



Precaution for assembly



The connection wires must be fixed in a way to stay at least 1cm one from the other.



The minimum distance between one button (1) and the other must be at least 7cm. Anyhow is necessary to assure a distance that doesn't produce a mutual interference between the two activators during normal operation.



Ensure that the buttonhole (3), the wires and the control board are at least 2cm far away from all metal parts, other electronic circuits, transformers and electrical wires.

General characteristics of supply unit type: SU15



CAUTION!

MOUNTING PRECAUTION

Do fix the component only by using the designated holes on the housing.

The replacement unit for this kind of product must be exactly equal to the one going to be substituted.

If the power connection cable has to be exchanged in case of damage one must have this done by an expert (producer, electrician or a person with similar qualifications. This is to avoid any risk.

Please pay attention to the fact that the unit has to be mounted in the way that the attached cable connections have always enough clearance, i.e. not being stressed or no risk to unplug the connections even when the mechanism is completely extended.



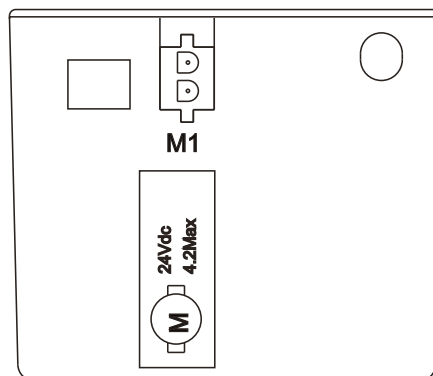
WARNING!

Before connection the main plug the power socket make sure that the characteristics as shown on the label do correspond to the to the respective country specifications.

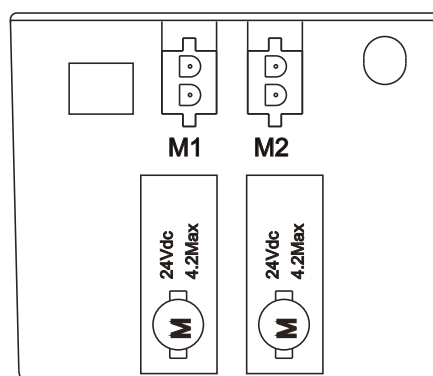
NB: The massage system / massage chair is a product of double insulation class and has to be treated with duly care by qualified persons.



Example of a label for supply unit



Example of a label for supply unit



General characteristics of actuators

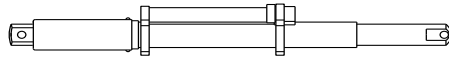
Characteristics of linear actuators:

Nominal supply voltage: 24 V dc

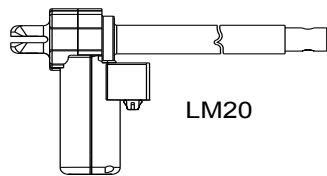
Current: 3.4A (LM15/20/25) AT 2000N LOAD CAPACITY

Current: 4.2A (LM35/40/50/55/60/65/70/75) AT 4000N LOAD CAPACITY

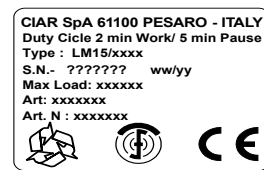
Electro-mechanical protection: there are two limit switches which are intercepting the movement at the end of stroke.



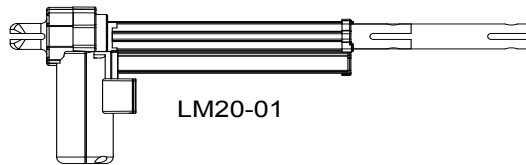
LM15



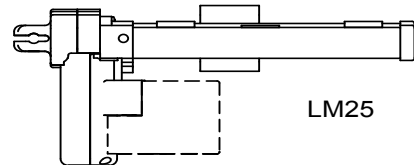
LM20



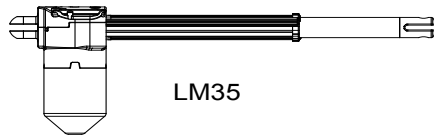
Esempio di etichetta / Label example



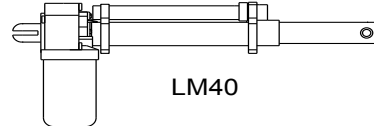
LM20-01



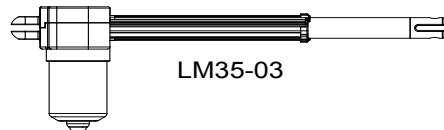
LM25



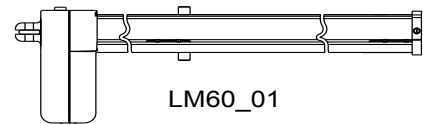
LM35



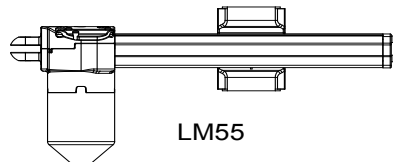
LM40



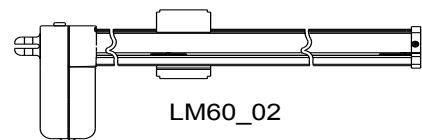
LM35-03



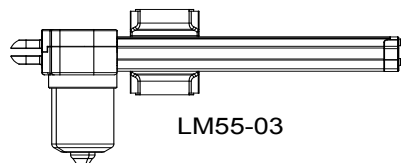
LM60_01



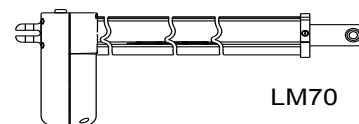
LM55



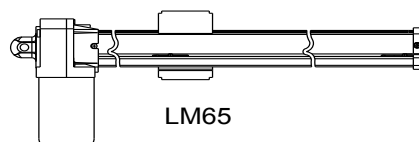
LM60_02



LM55-03



LM70



LM65



LM75

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