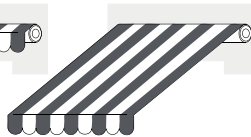
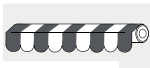
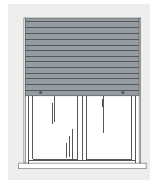
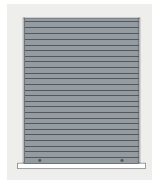
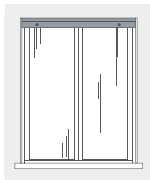




# PTP45

## Automation for blinds and awnings Instructions



PTP45 20 - PTP45 30 - PTP45 50



PTP45 50M

# Index

1.	<b>SAFETY INSTRUCTIONS</b> .....	<i>pag</i>	<b>01</b>
	<b>COMPLIANCE DECLARATION</b> .....	<i>pag</i>	<b>01</b>
2.	<b>DESCRIPTION AND INTENDED USE</b> .....	<i>pag</i>	<b>02</b>
2.1	<b>Technical data</b> .....	<i>pag</i>	<b>02</b>
2.2	<b>Selection guide</b> .....	<i>pag</i>	<b>02</b>
2.3	<b>Kit content</b> .....	<i>pag</i>	<b>03</b>
2.4	<b>Dimensions</b> .....	<i>pag</i>	<b>03</b>
3.	<b>INSTALLATION</b> .....	<i>pag</i>	<b>04</b>
3.1	<b>Preliminary checks</b> .....	<i>pag</i>	<b>04</b>
3.2	<b>Motor/Tubular assembly</b> .....	<i>pag</i>	<b>05</b>
3.3	<b>Wiring</b> .....	<i>pag</i>	<b>06</b>
3.4	<b>Limit switch setting</b> .....	<i>pag</i>	<b>06</b>
3.4.1	<b>Limit switch in closing</b> .....	<i>pag</i>	<b>06</b>
3.4.2	<b>Limit switch in opening</b> .....	<i>pag</i>	<b>07</b>
3.5	<b>Awnings</b> .....	<i>pag</i>	<b>07</b>
4.	<b>WARRANTY</b> .....	<i>pag</i>	<b>08</b>
5.	<b>MAINTENANCE</b> .....	<i>pag</i>	<b>08</b>
6.	<b>DISPOSAL</b> .....	<i>pag</i>	<b>08</b>

# 1. SAFETY INSTRUCTIONS



## WARNING

Important safety instructions for people, this product must only be used for its intended purpose. Any other use is dangerous. Follow all instructions as improper installation may result in serious bodily injury. Keep these warnings together with the installation and operation manuals that come with the gearmotor.

Important safety instructions for people, **READ CAREFULLY** when you see this symbol:



**Always cut off the power supply before performing any type of intervention.**



**Always make sure the gearmotor is properly connected to the earth**

Use and installation of the product must comply with Machinery Directive 2006/42/CE.

Installation must be carried out by expert qualified personnel who knows the potential hazards associated and in full compliance with current regulations. Use of the product must be restricted to its intended use. Any other use is to be considered dangerous and therefore forbidden.



**Do not allow children to play with the fixed command devices, or in the gate's area of operation.**

**Keep any remote control devices (i.e. transmitters) away from children, to prevent the gearmotor from being accidentally activated**

Keep the gate and the gate opener regularly maintained. Use only Proteco's original spares. Users are strictly forbidden to carry out any changes on the gate operator. Proteco Cancelli Automatici Srl is not liable for any damage resulting from improper, wrongful or unreasonable use.

## CE COMPLIANCE DECLARATION

**Manufacturer:** PROTECO S.r.l.  
**Address:** Via Neive, 77 – 12050 Castagnito (CN) – ITALIA  
declares that  
**The product type:** PTP45 tubular motor for rolling shutters and awnings  
**Modelli:** PTP45 20, PTP45 30, PTP45 50, PTP45 50M

It complies with the essential requirements of EEC Directives:  
**2006/95/EC Low Voltage Directive**  
**2004/108/EC Electromagnetic Compatibility Directive**

The product also complies, with the constraints of the applicable parts, with the following standards:

EN 55014-1  
EN 55014-2  
EN 60335-1: 2002+A1+A11+A12+A2+A13  
EN 60335-2-97:2006+A11  
EN 61000-3-2  
EN 61000-3-3

The manufacturer declares that the start-up of the machinery is not permitted unless the machine has been identified and declared as conformed to **2006/42/EC Machinery Directive**.

Castagnito, October 1<sup>st</sup> 2015

Marco Gallo  
Amministratore Delegato

## 2. DESCRIPTION AND INTENDED USE

The PTP45 range is designed to automate blinds and awnings.

### 2.1 TECHNICAL FEATURES

		PTP4520	PTP4530	PTP4550	PTP4550M
Thrust	Nm	20	30	50	50
Motor Speed	rpm	17	17	13	13
Motor Power	W	155	226	244	244
Current	A	0,68	0,95	1,06	1,06
Weight	Kg	2,30	2,35	2,40	3,30
Length	mm	440	480	480	620

### 2.2 SELECTION GUIDE



Surface calculation:  
 $\text{height} \times \text{width} = \text{m}^2$   
 select the model according to  
 the table below

MATERIAL		MAX m <sup>2</sup>							
		2.5	3.5	4	5.25	7	8	9.5	15
PVC and light Aluminium	6Kg/m <sup>2</sup>	PTP45 20			PTP45 30		PTP45 50		
Extruded Aluminium and Steel	9,5Kg/m <sup>2</sup>	PTP 45 20		PTP45 30		PTP45 50		N.A.	
Wood and armored Steel	12,5Kg/m <sup>2</sup>	PTP45 20	PTP45 30		PTP45 50		N.A.		

Model	Nm	Max Lifting
PTP45 20	20	32 Kg
PTP45 30	30	52 Kg
PTP45 50 PTP45 50M	50	90 Kg



**Ø70 mm tubular motors**  
 Intersect the value of the extension  
 with the number of arms of the awning

		N° ARMS		
		2	4	6
EXTENSION OF ARMS	4	PTP45 50 PTP45 50M	PTP45 50 PTP45 50M	PTP45 50 PTP45 50M
	2,5	PTP45 30	PTP45 50 PTP45 50M	PTP45 50 PTP45 50M
	1,5	PTP45 30	PTP45 50 PTP45 50M	PTP45 50 PTP45 50M

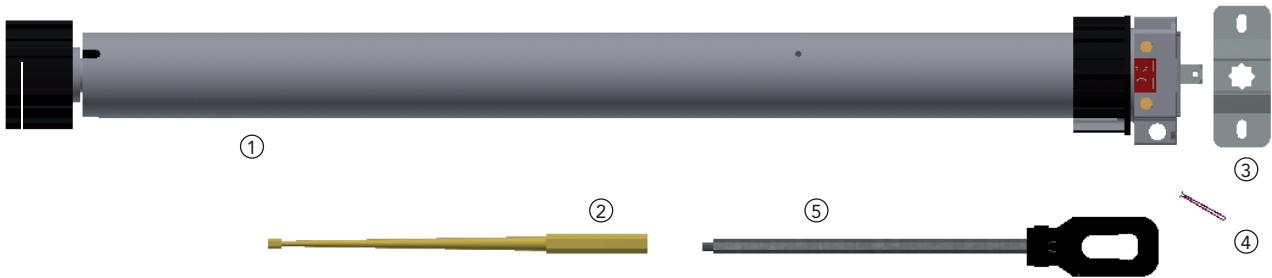
## 2.3 KIT CONTENT

### PTP 45 (without emergency release)



- 01 n°1 Tubular motor
- 02 n°1 Limit switch adjuster wrench
- 03 n°1 Split pin
- 04 n°1 Wall fixing support

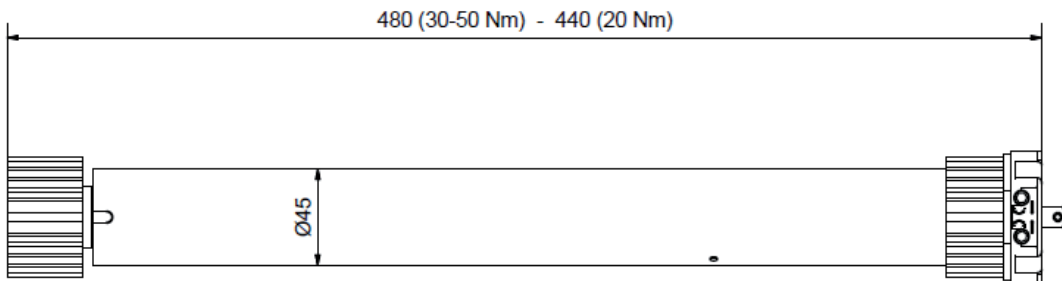
### PTP 45 M (with emergency release)



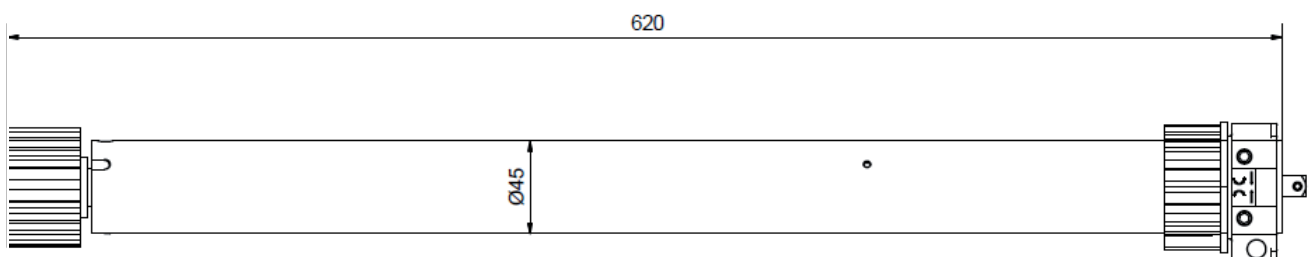
- 01 n°1 Tubular motor
- 02 n°1 Limit switch adjuster wrench
- 03 n°1 Wall fixing support
- 04 n°1 Split pin
- 05 n°1 Release key

## 2.4 DIMENSIONS

### PTP45 20 – PTP45 30 – PTP45 50



### PTP45 50M



### 3. INSTALLATION

Before installing make sure the power supply is OFF. If you need to replace an existing system, remove all devices for manual operation.



Make sure the command keys are positioned where the system can be visible during operation and at least at an height of 1,5 m from ground.

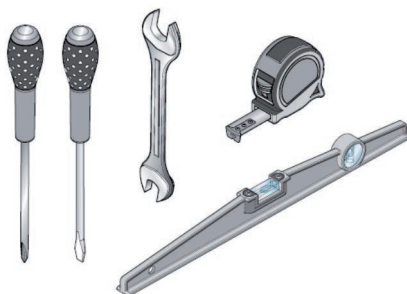
#### 3.1 PRELIMINARY CHECKS

If you need to replace an existing system, keep the same axis

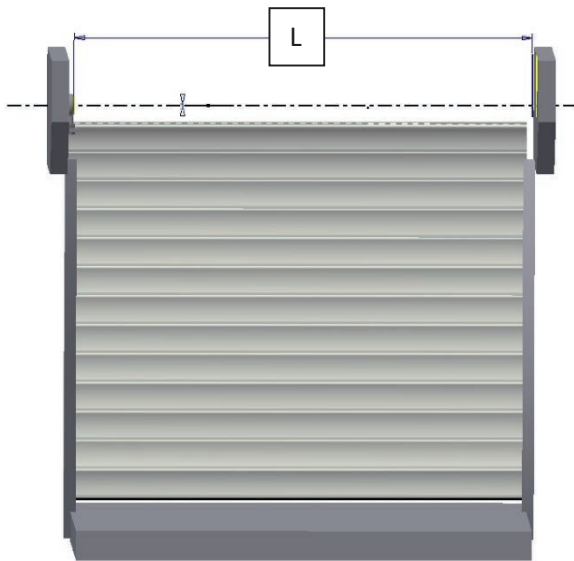
- 1- Low down the roller blind and disconnect it from the tubular
- 2- Remove the axis



RECOMMENDED TOOLS:



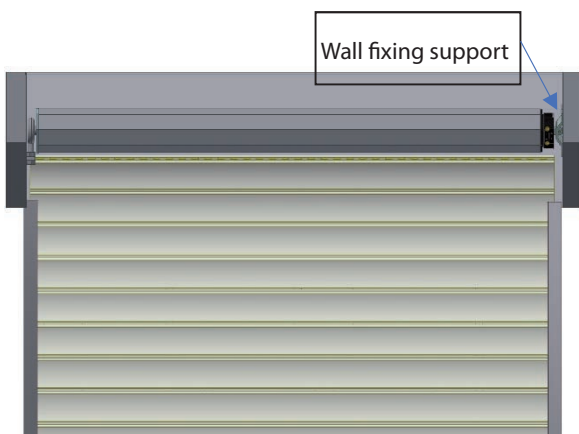
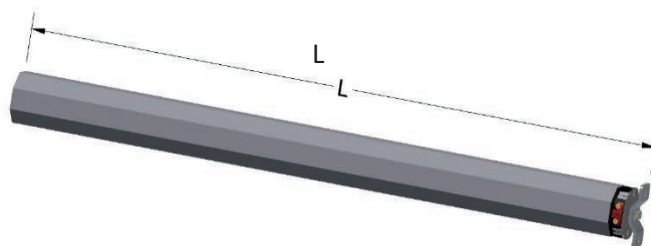
### 3.2 MOTOR/TUBULAR ASSEMBLY



Measure the distance between the two supports. Fit the 60 mm adapter in for the whole length till covering the locking ring of the limit switch.



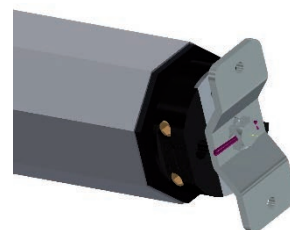
The length of the adapter must be such to get the total length (L) as shown in the below picture, keeping a clearance of 2-3 mm. In order to check the correct position and to simulate the final installation, lay temporarily the support to the wall as shown in the picture.



Simulate the preassembled automation, respecting the alignment between the two fixing supports and check that the adapter is on level. Mark the holes of the fixing support in a way to get easy access to both fixing screws.

Proceed to fix the support to wall.

Complete the assembling locking the system with the provided split pin.





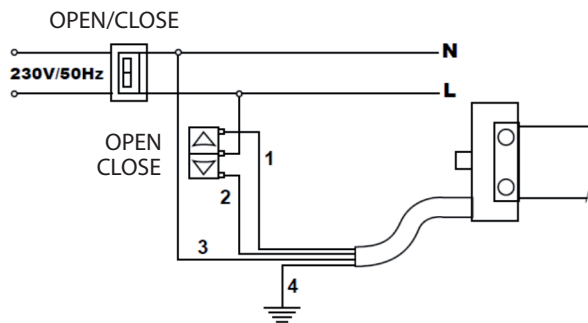
Attention! During manual operation we recommend to keep the limit switch screws in downward position.

### 3.3 WIRING

Wire the system according to the below diagram:

To be up to safety standards we recommend to fit a power cut device, keeping a minimum distance of 3 mm between the contacts. Every motor has to have its own device.

- WIRES KEY:**
- 1 BLACK
  - 2 BROWN
  - 3 BLUE(Common)
  - 4 YELLOW/GREEN



Wiring diagram for motor installed at your left

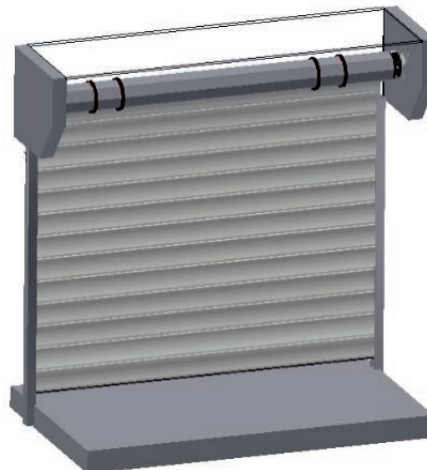
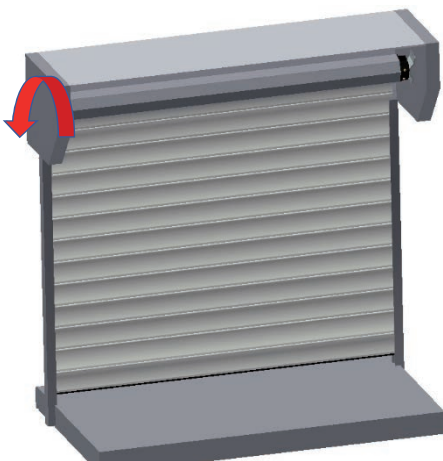
If you wish to install the motor at your right, just switch the black wire with the brown.

It's always wise to double check the wiring: if the rotation should not proper, just switch the position between the black and the brown wires.

### 3.4 LIMIT SWITCH SETTING

#### 3.4.1 LIMIT SWITCH IN CLOSING

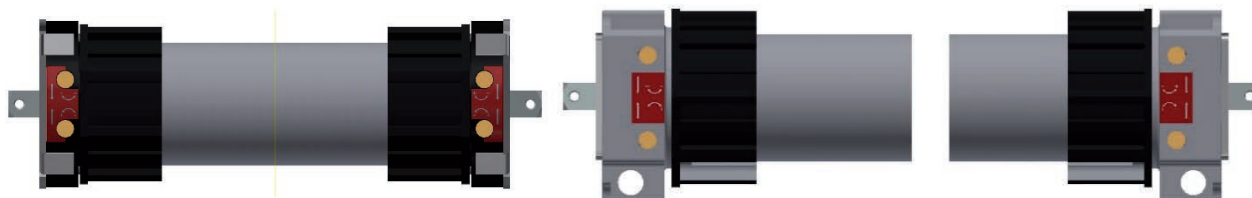
Before fitting the store/awning to the octagonal adapter, let the motor run down till reaching the expected end stop position. Then fit the store.





### 3.4.2 LIMIT SWITCH IN OPENING

Give an opening command. Check the store operation and make the according adjustments if necessary. To set the limit switch, plug the provided key into the according fixing points. If you wish to increase the run of the store/awning, turn to "+", while if you wish to decrease it turn to "-". The below diagrams show how to adjust the available systems, opening setting (possible adjustments for motor RH and LF positioned):



After fixing the opening and closing positions, test the store/awning operation to check the correct run. Any further adjustments shall be carried out by the provided hexagonal key.

### 3.5 AWNINGS

Ø 70 adapters are available for awnings. Item code MTPRO1.  
So far the assembly attend the awning manufacturer's instructions.  
So far the wiring and limit switch adjustment attend the store installation manual.

## 4. WARRANTY

PROTECO Srl is liable for any manufacture fault on tubular motors, electrical components and accessories during 3 years from manufacture date.

PROTECO Srl responds for repairing within the warranty terms, after inspection by its technical staff. The returned faulty system will remain a Proteco's property.

Use of the product must be restricted to its intended use. Any other use shall be considered out of the warranty.

Installation and maintenance are charged at the person who carries out the installation.

Use only Proteco's original spares. Users are strictly forbidden to carry out any changes on the system.

PROTECO Srl is not liable for any damage resulting from improper, wrongful or unreasonable use.

The return costs are at customer's charge.

**PROTECO Srl Via Neive 77, 12050 Castagnito (CN) Italia**

#### The warranty doesn't respond when:

The chosen system doesn't comply with the features of the store or awning

Prescriptions contained into the installation manual are disrespected

The item has been used/stored in unproper conditions

The item has been repaired, modified, altered

The item has been wrongly used or neglected

The manufacture label is damaged or is missing

The bad operation is due to oxidation, overvoltage, insects, animals

## 5. MAINTENANCE

Functional checks must be performed once every 6 months, including: checking the state of lubrication and tightness of the anchoring screws on the operator as well as the good operation of all safety devices.

## 6. DISPOSAL



**DO NOT DISPOSE OF IN NATURE!**

Some components may contain hazardous waste.

They must, thus, be removed and turned into licensed firms for their disposal.

Before acting always check the local laws on the matter.