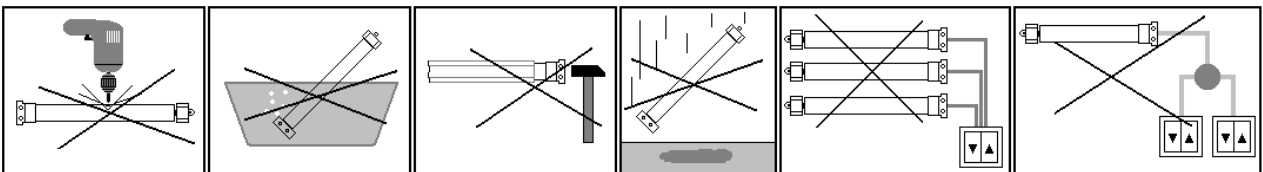
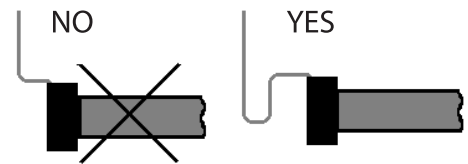


INSTRUCTIONS FOR INSTALLATION/USE OF DOOR OPENERS YYGL35S/YYGL45S/YYGL45M/YYGL59M

Safety rules:

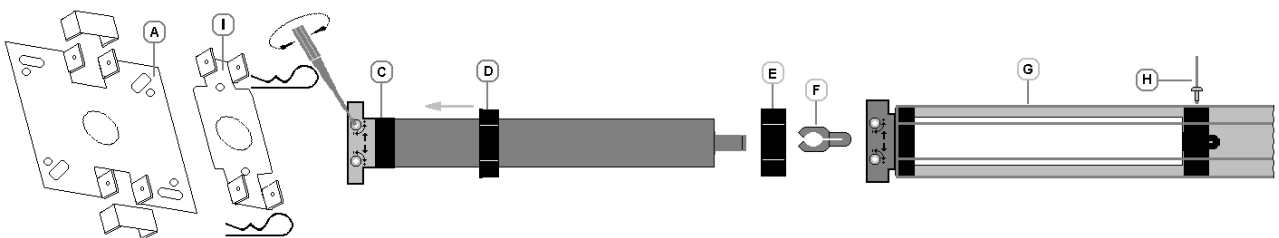
Installation of the door opener must only be carried out by authorised personnel.

1. The weight of the roller shutter should be suitable for the motor power.
2. The proper method of cable routing additionally protects the drive against possible damage caused by water.
3. Do not drill holes in the entire motor length.
4. Protect the motor from contact with any liquid.
5. Avoid crushing or hitting the motor and protect it from falling.
6. Do not connect more than one motor to one switch and more than one switch to a single opener.



Installing the motor

1. Attach the mounting bracket to the side of the roller shutter (A), connect the adapter to the motor drive ring (C/D).
2. Place the drive adaptor on the motor axle, secure it with a locking pin (E/F) and slide the entire motor into the roller tube (G).
3. Connect the roller tube and the drive adaptor with a screw or rivet (H).



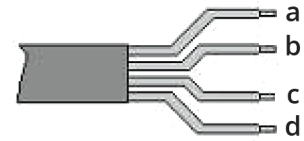
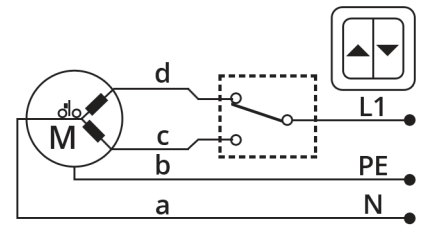
NOTE!

The motor is equipped with an internal thermal breaker, which allows for about 4 minutes of continuous operation of the roller shutter. After this time, the temperature inside the motor exceeds the permissible value and the power is cut off. The roller shutter can be moved again after the motor has cooled down (which takes from a few to several minutes). The use of this breaker increases significantly the service life of the drive.

Hooking up to power supply

All connections must be made only when the supply voltage is disconnected. L1 (phase) is connected via a bipolar Shutter switch or a controller fitted with relays.

- a - blue (N neutral)
- b - yellow/green (PE protection)
- c - brown (clockwise)
- d - black (counter-clockwise)



Adjustment of limit switches



In order to set the end positions of the roller shutter, electromechanical limit switches must be adjusted. This is done by using the knobs located in the motor head. The arrows located next to the knobs indicate the direction of rotation of the motor and the appropriate adjusting screw for the direction. If the roller shutter is located opposite the installer (normal situation), use the knob marked with the ⬆ arrow (UP) to adjust the bottom position of the shutter, and the knob marked with the ⬇ arrow (down) to adjust the top position of the shutter. Rotate the knob to {+} to increase the range of motion in a given direction, and {-} to decrease the range.



Setting the bottom position:



1. Run the roller shutter in the closing direction until it stops at the factory pre-set end position. If the roller shutter fails to stop before reaching the bottom position to stop the drive, then lift the roller shutter, turn the knob marked ⬆ several revolutions in the direction of {-} and try again from the beginning. In extreme cases it may be necessary to perform this operation several times.
2. Rotate the knob (marked with the ⬆ arrow) in the direction {+} to bring the roller shutter to the desired position.
3. If the desired position is overrun, lift the roller shutter by turning the knob a few times in the direction {-} and repeat the procedure starting from step one.

Top position setting:

1. Run the roller shutter in the opening direction until it stops at the factory pre-set end position. If the roller shutter fails to stop before reaching the top position to stop the drive, then lower the roller shutter, turn the knob marked ⬇ several revolutions in the direction of {-} and try again from the beginning. In extreme cases it may be necessary to perform this operation several times.
2. Rotate the knob (marked with the ⬇ arrow) in the direction {+} to bring the roller shutter to the desired position.
3. If the desired position is overrun, lower the roller shutter by turning the knob a few times in the direction {-} and repeat the procedure starting from step one.

XP45M-50/12			
50 Nm		12rpm/min	M
230V	50Hz	∅45 mm	 
220W	1.0A	4 min	
3.1kg	IP44	I.CI.H	
TUBULAR MOTOR			

XP59M-100/12			
100 Nm		12rpm/min	M
230V	50Hz	∅60 mm	 
350W	1.55A	4 min	
6.2kg	IP44	I.CI.H	
TUBULAR MOTOR			

XP59M-140/9			
140 Nm		9rpm/min	M
230V	50Hz	∅60 mm	 
380W	1.68A	4 min	
6.35kg	IP44	I.CI.H	
TUBULAR MOTOR			

64M-180		S/N:64000000437	
180 Nm		7r/min	
230V		50Hz	
∅64		558W	
2.47A		4 min	
9.95Kg		IP44	