

# Wilkinson Remote Control Chandelier Winch

## Installation and operation instructions

MODEL	CAPACITY	CABLE DROP	DIMENSIONS (mm)	LOAD (MAX)	MOTOR ONLY	NET WEIGHT
Winch/5m/100	100kg	5m	330x330x60	4kw	200W	8.0 kg
Winch/8m/100	100kg	8m	330x330x60	4kw	200W	8.2 kg
Winch/6m/250	250kg	6m	450x450x110	4kw	320W	24.1 kg
Winch/12m/250	250kg	12m	450x450x110	4kw	320W	25.0 kg

### **Safety Instructions**

Read all instructions, failure to follow all instructions may lead to electric shock, and/or serious injury or death.

### **Keep these instructions**

-The chandelier winch must only be installed by a qualified or competent installer

- When installing the winch keep the work area clear
- Do not install the winch in wet or damp locations
- Do not load the winch over its maximum safe working load
- Do not try to use winch if it does not have at least 5kg of weight hanging from it.
- Do not clean steel cable with water or corrosive cleaner
- Grease and anti-rust oils should be used on steel cable to prevent corrosion.
- Steel cable should be checked regularly.

**The Installer must fully understand all procedures before attempting to install.**

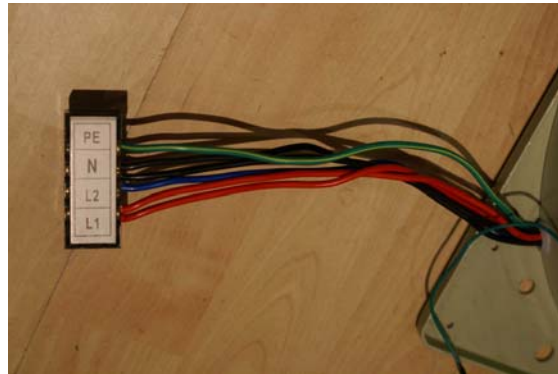
The installer must use the appropriate sized bolts. We recommend a minimum size of 6mm diameter bolts for 100kg models and 10mm diameter bolts for 250kg models

The chandelier winch main body is permanently attached to the winch base plate. The winch must be securely and evenly fastened on all four corners of the base plate (shown on right hand picture below).



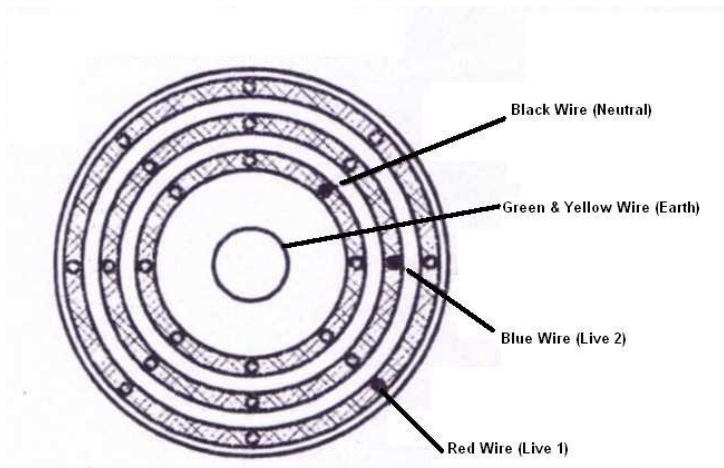
The chandelier winch should be connected to the electrical supply with 2.5mm cables and be protected by an appropriate fuse or circuit breaker. There are four electrical connections

- L1 - Live Wire for winch operation and chandelier lighting (red wire)
- L2 - Live Wire for alternative lighting circuit on chandelier (blue wire) (does not have to be used)
- N - Neutral Wire (black wire)
- PE - Earth Wire (green & yellow wire)



The winch raises and lowers the chandelier on a high tensile steel cable. The steel cable is wound and stored inside the winch main body.

At the end of the steel cable is a connector plate and shackle for suspending the chandelier.

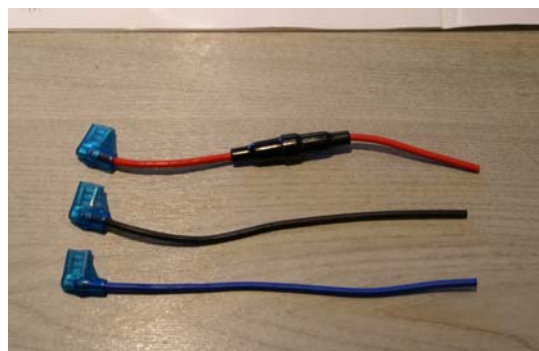


On the connector plate, the upper side (closest to main body of winch) has three contact rings.

The outer ring is for L1 (red wire), the second ring in is for L2 (blue wire and the innermost ring is for Neutral (black wire).

On the lower side (closest to chandelier) there are three male terminals. They are marked L1, L2, and N. Use the female receptacle connectors and wires supplied and connect to the chandelier wiring or fit your own female receptacles. The central green and yellow wire is for connecting to the earth of the chandelier.

If the winch is connected to the electrical supply, the brass contact pins on the winch main body will be live. **Do not touch them.** If the winch is in the fully up position, the male terminals on the connector plate will be live **Do not touch them.**



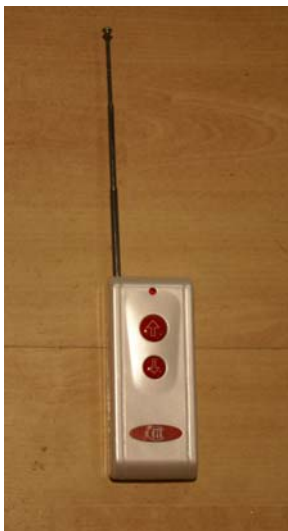
The red L1 wire contains a 20 amp in-line quick blow fuse. This is to protect the winch motor. The fuse may not be necessary if your domestic wiring has the correct size circuit breaker. If the total electrical load of the chandelier is low, use just L1 or L2. If the total electrical load is high, divide the load between L1 and L2.

The lower side of the connector plate has an 8mm threaded hole which accepts the standard D shaped shackle and pin. Other fixings can be supplied if required.

If the 8mm threaded boss is removed, we recommend the use of a thread lock adhesive when it is replaced.



## Remote Control



The winch is operated by a small remote control. It is simple to use. Extend the aerial and use the up and down buttons. The larger of the two arrow buttons is for "up" and the smaller of the two is for "down"

Press and release the down button to lower the chandelier, press either button to stop.

NOTE The winch will only operate with a minimum weight of 5kg hanging from it.

Press and release the up button to raise the chandelier, when it gets to its fully raised position it will stop automatically, the cable lock will operate and power to the chandelier will be turned on.

If you want to stop the chandelier before it has reached its fully raised position, press either button to stop. Press the up button again to continue.

Power will not be supplied to chandelier until it has reached the fully raised position and the connector plate has connected with the base of the winch.

If the light on the remote control glows dimly and will not operate the winch, replace the battery. The battery type is 23A12V and is replaced by removing the small cover on the back of the remote control

## **Memory Function Set Up for Remote Control**

The upper limit is permanently set. Once the winch is fully up, the lock operates and power to the chandelier is turned on.

To set the lower limit, press the down button and release. When the chandelier has reached the desired level, push and hold down either button for 8-10 seconds. After 8 - 10 seconds the winch raises slightly and this confirms the lower limit has been set. Release the button.

To cancel the lower limit setting, lower the chandelier until it stops at its lower limit. Press and hold the down button for 8 – 10 seconds. After 8 – 10 seconds the winch will operate and chandelier will lower. The lower limit has been cancelled.

## **Safety Weight Test**

To test the integrity of the installation you should carry out a safety weight test by adding 50% more weight than the maximum lifting weight, i.e. 150kg for 100kg models and 375kg for 250kg models.

**WARNING** Do not stand below the winch when carrying out the safety test.

Method: - Fit a suitable receptacle to hold the testing weights. This could be a large metal bucket or similar. Lower the winch so the bucket sits 20mm above the floor. Add the safety test weights. Do not stand under the winch whilst adding the weights. The winch will now not operate as it is overloaded. Ensure the gap under the bucket remains constant after the test weights have been added. Leave for 30 minutes. Remove the weights, check the operation of the winch and visually inspect the fixings. Remember, winch will only work with a minimum of 5kg weight hanging on it.

## **Other information**

Operating voltage AC 230v 50Hz

Total load 18amps (motor only 1amp – 1.5amp)

Inline fuse (L1) 20mm x 5mm F type 20amp 240v

Replacement Remote Control Battery type 23A12V

CE Certificate No. 572111007 (Safenet Ltd. UK)

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