

the complete range of motors  
and associated accessories

A superior collection of  
roller blind motors and  
accessories, developed  
specifically for the internal  
shading industry. Simple to  
program, straight-forward  
to use, and reliable.  
**We make it easy.**





## Welcome to the new range of electric motors by YewdaleDefiant®.

This collection combines the full expertise of feedback from the trade in a single package. Our products are tried and tested, simple to program, with full technical support and available for same day delivery.

How's that for a tailored approach to making your life easier right from the first step?

## The YewdaleDefiant® complete range of motors and associated accessories

- |  |   |
|--|---|
| <b>1</b> 230v AC Tubular motor                     | <b>9</b> Charger  |
| <b>2</b> 230v AC Tubular motor with radio receiver | <b>10</b> Solar panel   |
| <b>3</b> 24v DC Tubular motor                      | <b>11</b> Wall mounted remote control switch (single channel) |
| <b>4</b> 7.4v DC Battery powered tubular motor     | <b>12</b> Wall mounted remote wired switch (double channel)   |
| <b>5</b> Hand held transmitter (single channel)    | <b>13</b> Wall mounted hard wired switch                      |
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| <b>7</b> Hand held transmitter (sixteen channel)   | <b>15</b> 53/70mm barrel adaptors                             |
| <b>8</b> Radio receiver                            | <b>16</b> 40mm barrel adaptors                                |



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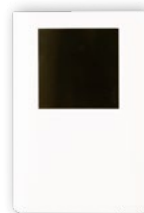
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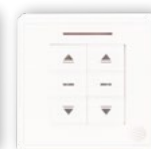
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# YewdaleDefiant® motor systems

230v AC Tubular motor (model number: 980000)



230v AC Tubular motor with radio receiver (model number: 980001)



24v DC Tubular motor with inbuilt radio receiver, transformer and electronic limit stops (model number: 980002)



7.4v DC Battery powered tubular motor with inbuilt radio receiver, battery and electronic limit stop (model number: 980003)



## 230v AC Tubular motor

A highly engineered 230v AC tubular motor that is suitable for almost any kind of application due to its speed and quiet running functionality. Suitable to be used as a blind in its own right, or used within a home automation system.



### Features:

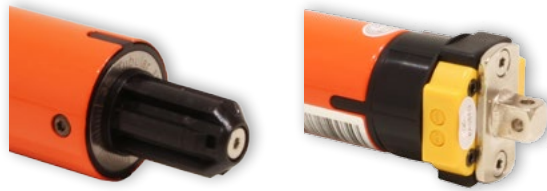
- AC power supply
- Mechanical limit stops
- Low running sound – below 45dB
- 4 minute running time
- Limit accuracy of  $\pm 2^\circ$
- Suitable for home automation
- Suitable for 53/70mm barrels

### Technical:

Model	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	Motor Diameter	IP Class
980000	6Nm	28rpm	230v	115w	0.485A	35mm	IP44

## 230v AC Tubular motor with radio receiver

A highly engineered tubular 230v AC radio controlled motor. Suitable for most types of application due to its ability to be controlled remotely. Whether it be a blind in its own right or as part of a home automation system, this motor is one of the most advanced models available.



### Features:

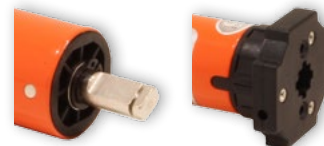
- Radio controlled
- AC power supply
- Electronic limit stops
- Built-in receiver
- 6 limit stops (4 intermediate)
- Low running sound
- 4 minute running time
- Suitable for home automation
- Suitable for 53/70mm barrels

### Technical:

Model	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	Motor Diameter	IP Class
980001	6Nm	28rpm	230v	115w	0.485A	35mm	IP44

## 24v DC Tubular motor with inbuilt radio receiver, transformer and electronic limit stops

This is truly one of the most versatile tubular motors available. With highly advanced technology, this tubular motor enables a 230v AC feed to power this motor. By incorporating an inbuilt transformer within, no unsightly items are required. The inbuilt radio receiver enables the motor to be used in almost all applications, complete with a plug for instant installation.



### Features:

- Radio Controlled
- AC power supply with a DC motor
- Electronic limit stops
- Built-in receiver
- 6 limit stops (4 intermediate)
- Low running sound – below 40dB
- 4 minute running time
- Suitable for computer interface
- Soft stop/start
- Inbuilt transformer
- Suitable for home automation
- Suitable for 40mm barrels

### Technical:

Model	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Frequency	Motor Diameter	IP Class
980002	1Nm	30rpm	100-240v	36w	433.92MHz	25mm	IP44

## 7.4v DC Battery powered tubular motor with inbuilt radio receiver, battery and electronic limit stop

Want a simple install, then this is the tubular motor for you. The 7.4v DC motor incorporates a battery which can be charged simply by a plug in charger or solar panel. With a single charge the motor can operate a full open and close a day, for six months. No wiring is required and as for the control, this is simply managed by a remote handset due to its intelligent inbuilt receiver.



### Features:

- Radio Controlled
- AC power supply with a DC motor
- Electronic limit stops
- Built in receiver
- 6 limit stops (4 intermediate)
- Low running sound – below 40dB
- 4 minute running time
- Suitable for computer interface
- Soft stop/start
- Inbuilt transformer
- Suitable for home automation
- Suitable for 40mm barrels

### Technical:

Model	Rated Torque	Rated RPM	Rated Voltage	Rated Power	Rated Current	Frequency	Motor Diameter	IP Class	Sensitivity
980003	0.8Nm	30rpm	DC 7.4v	6.7w	900mA	433.92Hz	25mm	IP44	-110dBm



## Hand held transmitters

Both design and functionality are top priority for any hand held controller. These transmitters, complete with their sleek lacquered surface and LED illumination, combine requirements effortlessly into a single advanced touch technology solution.

Part no: 980020



Hand Held Transmitter  
(single channel)

Part no: 980021



Hand Held Transmitter  
(six channel)

Part no: 980022



Hand Held Transmitter  
(sixteen channel)

### Features:

- Lacquered surface
- 2-3 years battery life
- Simple battery replacement
- Slim in design
- Inc wall mounted bracket
- LED illumination

### Technical:

Model	Channel Qty	Working Temperature	Battery Type	Frequency	Transmitting Power
980020	1	-20°C to +55°C	CR2032 (3v)	433.92MHz	≤10mW
980021	6	-20°C to +55°C	CR2032 (3v)	433.92MHz	≤10mW
980022	16	-20°C to +55°C	CR2032 (3v)	433.92MHz	≤10mW

## Radio receiver

When a radio receiver is required, functionality, ease of install and being sleek in design is a must. This radio receiver has a manual override, 12v port for extra sensors and the ability to interface. Fixings are concealed with the simple sliding open and close control box.

Part no: 980027



### Features:

- Sleek in design
- Manual override switch
- Concealed fixings
- 12v port for sensors
- Suitable for home automation

### Technical:

Model	Working Voltage	Loading Power	Working Temperature	Frequency	Operation Mode
980027	240v AC 50Hz	≤500W	-40°C to +85°C	433.92MHz	Remote/Manual

## Charger (For 980003)

Our charger may appear small and simple but its 3 metre lead ensures it is the ideal accessory for ease of plug in. Simply plug in and go!

Part no: 980010



### Features:

- 3m power lead
- Provides full charge in 4 hours
- Simple plug in connector

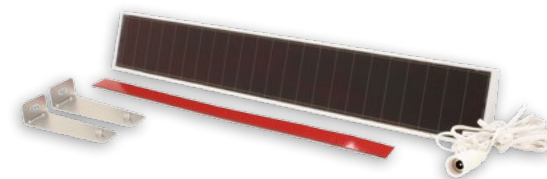
### Technical:

Model	Working Voltage	Lead length	Charge time
980010	230v AC	3m	4 hours

## Solar panel (For 980003)

Being one of the most discreet yet effective solar panels available, this 380mm x 57mm amorphous silicon solar panel provides a constant feed of power to the motor. Suitable for both outside or inside usage along with a simple plug in connector to the motor, there is hardly a situation this cannot cater for.

Part no: 980011



### Features:

- Very discreet
- Suitable for outside and inside
- Simple plug in connector
- Eco-friendly
- 2.4m power lead
- Provides full charge in 2 days

### Technical:

Model	Max power	Max working voltage	Open circuit voltage	Open circuit current	Max working current	Battery size	Test Conditions
980011	1W (±5%)	12v	18v	0.095A	0.08A	375 x 50	AM1.5 1000W/m 25°C

## Wall mounted remote control switches

Where wall mounted remote controlled switches are required, a discreet switch is a must. These switches are both functional and discreet and incorporate light illumination for ease of use. With both single and double channel switches available, a number of blinds can be controlled at the same time.

Part no: 980024



Wall Mounted Remote Control Switch (Single Channel)

Part no: 980025



Wall Mounted Remote Control Switch (Double Channel)

### Features:

- 1 channel or 2 channel
- 2-3 years battery life
- Simple battery replacement
- Slim in design
- LED Illumination
- Screw fixed or stuck with tape supplied

### Technical:

Model	Channel Qty	Working Temperature	Battery Type	Frequency	Transmitting Power
980024	1	-20°C to +55°C	27A (12v)	433.92MHz	≤10mW
980025	2	-20°C to +55°C	27A (12v)	433.92MHz	≤10mW

## Wall mounted hard wired switch

Where fixed hard wired switches are required, a simple but functional switch is essential. This switch is simple to use with 3 buttons: up, stop and down.

Part no: 980023



Wall mounted hard wired switch

### Features:

- White
- Hard wired
- Up, stop and down
- With back box

### Technical:

Model	Working Voltage	Loading Power	Working Temperature
980023	230v AC - 50/60Hz	500w	-40°C to +85°C

## Motor relay

Where two to four motors are needed to operate simultaneously, a group controller is required.

Part no: 980014



4 motor relay

### Features:

- 2-4 motors
- Can connect with Radio Receiver
- Can connect with standard switch

### Technical:

Model	Working Voltage	Loading Power	Working Temperature	Frequency	Operation Mode
980014	230v AC 50/60Hz 120V AC 60Hz	500w x 4	-40°C to +85°C	433.92MHz	Remote/Manual

## Adaptors

To suit barrels commonly used with the market place, two sets of adaptors are available.

Part no: 980012



53/70mm Barrel Adaptors

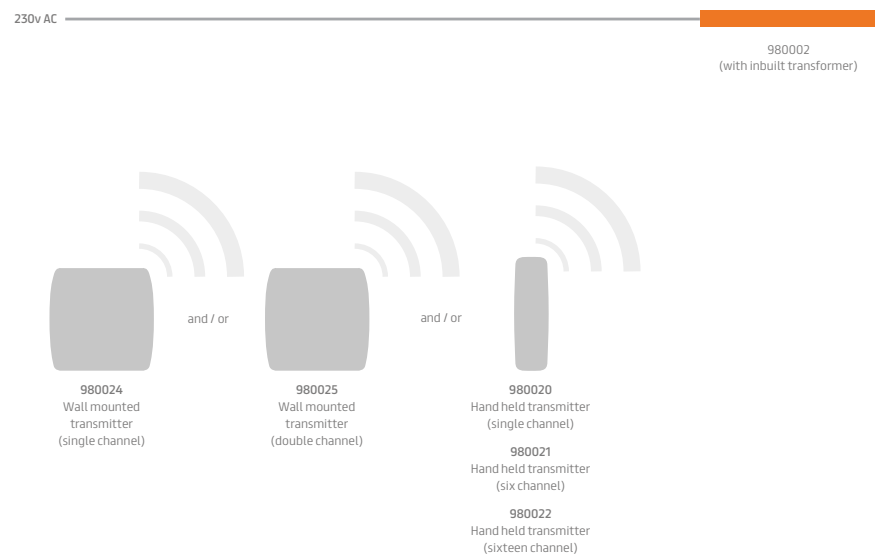
Part no: 980013



40mm Barrel Adaptors

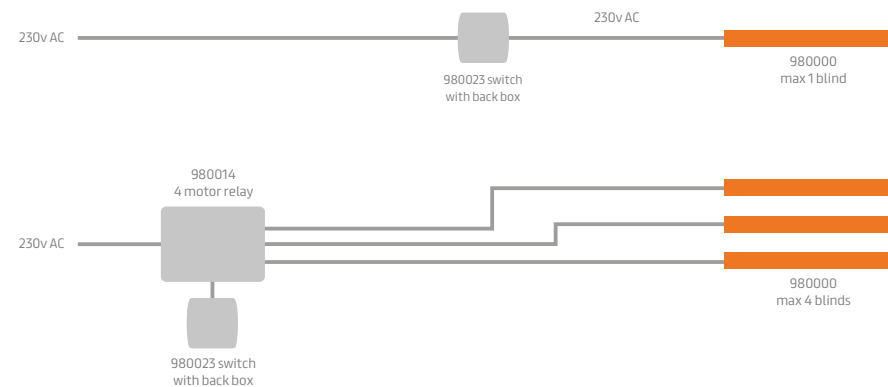
# YewdaleDefiant® system diagrams

## Radio remote control systems

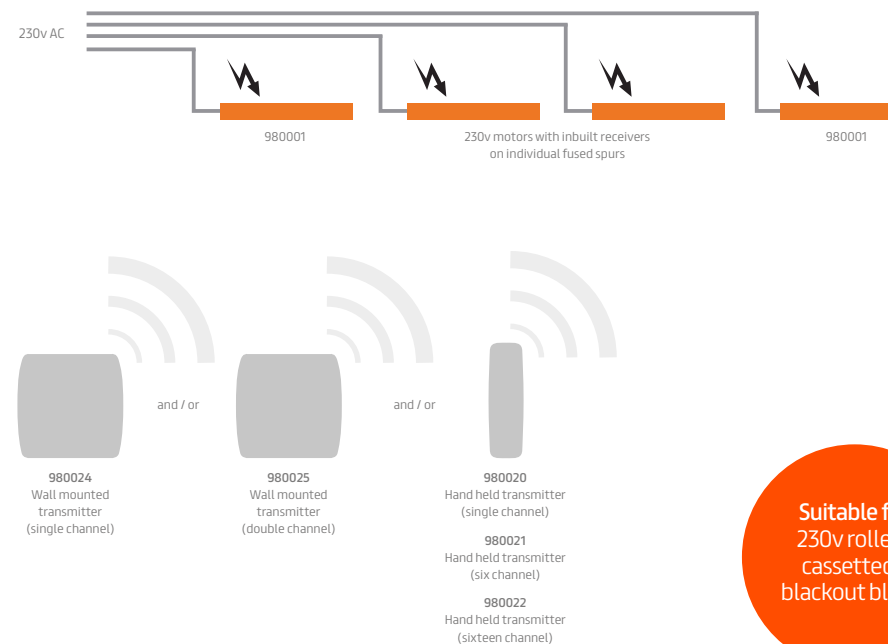


Suitable for  
24v roller blinds /  
cassette blinds

## Hard-wired systems



## Radio remote control systems



Suitable for  
230v roller /  
cassette /  
blackout blinds





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**Visit** [yewdale.co.uk](http://yewdale.co.uk)

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