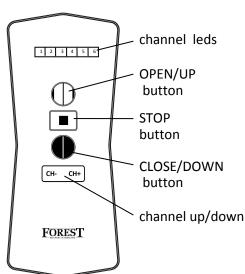
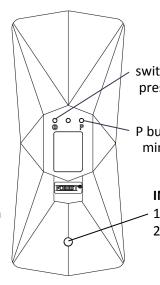


# **FOREST DIAMOND REMOTE - 520109X460**

### **TECHNICAL SPECIFICATION:**

- 3V battery type CR2450
- battery life < 3 years
- frequency 433.92MHz
- transmit power max. 10mW
- transmit range indoor max. 30mtr
- working temperature -10°C +50°C
- each channel can control up to 20 receivers



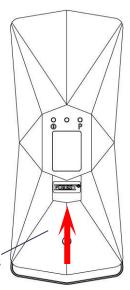


switch on/off (keep pressed 3 seconds)

P button (for programming tubular motor)

### **INSERT BATTERY:**

- 1. remove screw
- slide back cover upwards
   to open remote and slide
   in battery, +side up





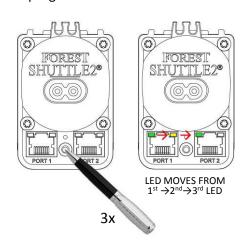
#### **BATTERY EMPTY:**

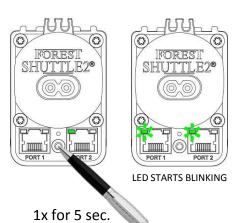
After changing the battery, programmed receivers will stay in memory of wall switch. Please follow the local regulations for disposal of the empty battery.

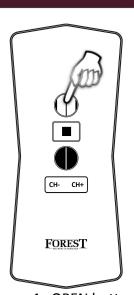


# FOREST SHUTTLE S / L RECEIVER PROGRAMMING

To program a RF wall switch to a Shuttle S / L:







press 1x OPEN button

Same procedure, but press CLOSE instead of OPEN, will erase the programmed channel.



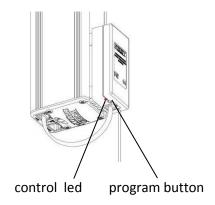
Do not mount the motor within 1 meter from other equipment and receivers. This will interfere with the receiver.



# **FOREST MULTI RECEIVER CLICK ON – 5201001362**

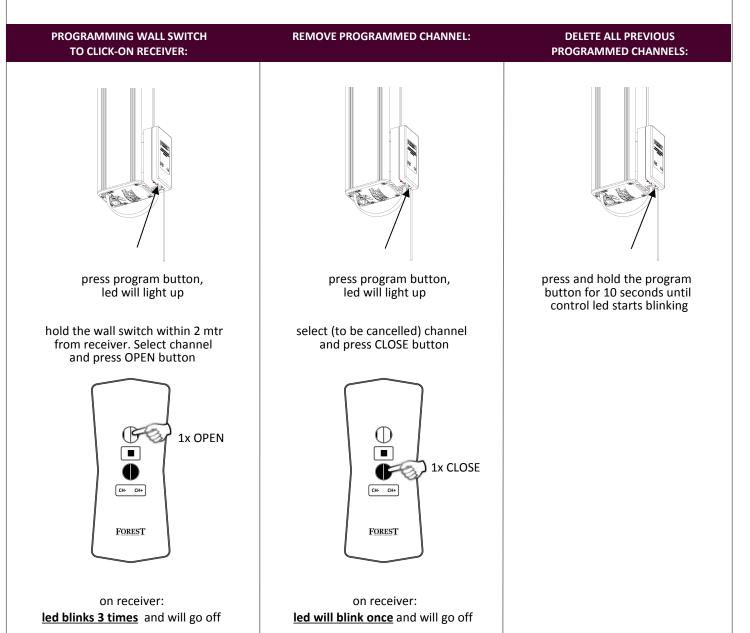
### **TECHNICAL SPECIFICATION:**

- powered by Shuttle M
- connect to port 1 of the Forest Shuttle M
- working temperature -10°C +50°C
- controlled by Forest Multi Remote and Forest Multi Wall Switch RF





Do not mount within 1 meter from other equipment and receivers. This will interfere with the receiver.





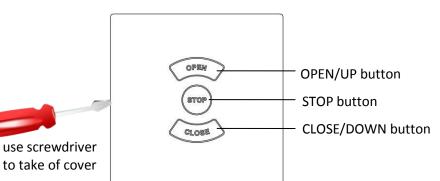
# FOREST MULTI RECEIVER / WALL SWITCH 5201001360 / 1361 FOREST FMS/BCS MULTI RECEIVER 5201011500

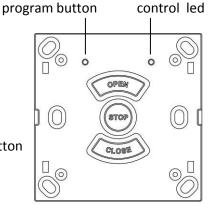
### TECHNICAL SPECIFICATION SHUTTLE M RECEIVER:

- powered by Shuttle M
- can also be used as wall switch
- cable 0,5mtr → 5201001360
- cable 3,5mtr → 5201001361
- connect to port 1 of the Forest Shuttle M
- working temperature -10°C +50°C
- controlled by Forest Multi Remote and Forest Multi Wall Switch RF

## **TECHNICAL SPECIFICATION FMS/BCS RECEIVER:**

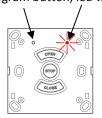
- power 230Vac 500W
- controls one tubular or FMS motor
- can also be used as wall switch
- terminal max 2,5mm<sup>2</sup>
- working temperature -10°C +50°C





### PROGRAMMING REMOTE TO RECEIVER:

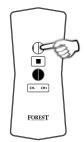
## press program button, led will blink



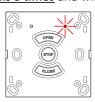
press STOP button



hold the remote within 2 mtr from receiver. Select channel and press OPEN button:

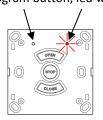


led blinks 3 times and will go off:

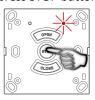


# REMOVE PROGRAMMED CHANNEL:

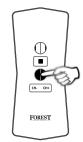
# press program button, led will blink



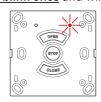
press STOP button



select (to be removed) channel and press CLOSE button:

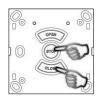


led will blink once and will go off:

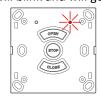


# DELETE ALL PREVIOUS PROGRAMMED CHANNELS:

# press STOP and CLOSE button of receiver for ~6 sec.



led will blink and will go off





Do not mount within 1 meter from other equipment and receivers. This will interfere with the receiver.



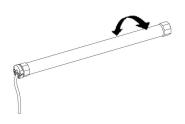
# TUBULAR MOTOR BUILD-IN RECEIVER AND ELECTRONIC LIMIT SETTING

PROGRAMMING REMOTE TO TUBULAR MOTOR:

ADD MORE REMOTES OR CHANNELS TO TUBULAR MOTOR

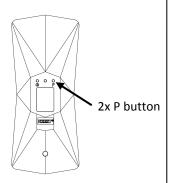
**CANCEL ALL REMOTES** 

press button on motor, motor will turn short to acknowledge

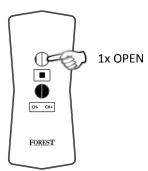


within 6 seconds:

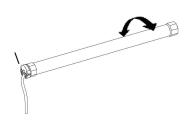
press P button two times



press OPEN button one time



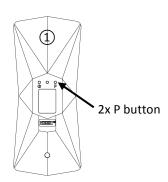
motor will turn to acknowledge



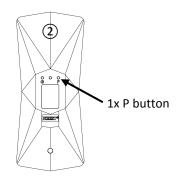
**CHANGING DIRECTION OF ROTATION:** 

To change the direction of rotation, keep green button on motor pressed for 7 sec, until motor turns to acknowledge.

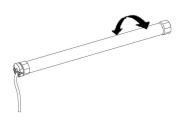
1)st remote: press P button two times



2) nd remote: press P button one time

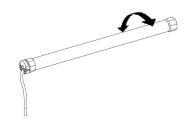


motor will turn to acknowledge

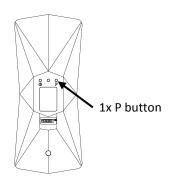


to add an other channel: 1.press 2xP button of programmed channel, 2.select other channel and press P button

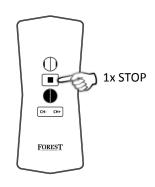
motor will turn to acknowledge



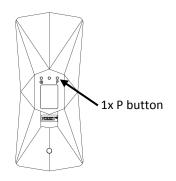
press P button one time



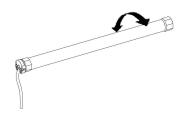
press STOP button one time



press P button one time



motor will turn to acknowledge





# **TUBULAR MOTOR**

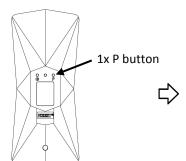
## **BUILD IN MULTI RECEIVER AND ELECTRONIC LIMIT SETTING**

### **ADJUSTING UPPER AND LOWER END LIMITS:**

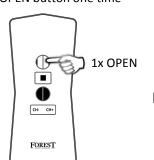


- when more motors are programmed to one channel, end limits of all motors will be adjusted
- during programming, keep the remote within 2 mtr from the receiver/motor

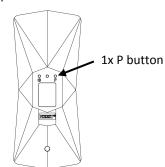
press P button one time



press OPEN button one time



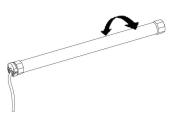
press P button one time



press STOP button when required

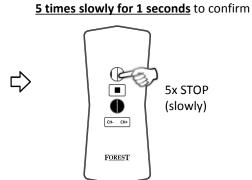
height is reached. Press STOP button

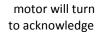
motor will turn to acknowledge

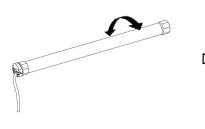


adjust to UPPER position

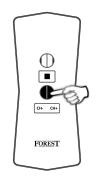




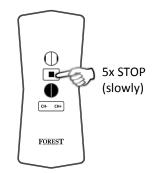




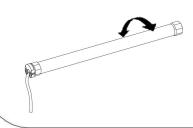
adjust to LOWER position



press STOP button when required height is reached. Press STOP button 5 times slowly for 1 seconds to confirm



motor will turn to acknowledge, limits have been set successfully.





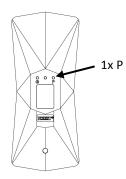
# TUBULAR MOTOR BUILD IN MULTI RECEIVER AND ELECTRONIC LIMIT SETTING

### **CANCELLATION OF UPPER AND LOWER END LIMITS:**



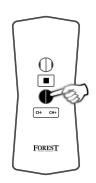
IMPORTANT: When cancelling end limits, the limits of all motors, programmed to selected channel, will be cancelled

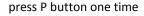
press P button one time

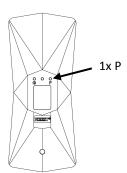




press CLOSE button one time







motor will turn to acknowledge



### **REVERSE DIRECTION SETTING:**

When motor is <u>not</u> running, press button on motor for ~ 7 seconds, until motor turns to acknowledge.



# BS 24V DOUBLE SHAFT MOTOR - 36.4800.0000 BUILD-IN RECEIVER - ELECTRONIC LIMIT SETTING

### **TECHNICAL SPECIFICATION:**

- 24Vdc, 16Watt
- nom. 0.8Nm max. 1.0Nm
- 34 rpm
- max. running time 7 min.
- max. curtain weight 4 kg
- max. 5 cord rolls
- has to be used with Diamond remote, Multi remote and/or Multi wall switch RF
- only to be used in Forest BS system and with Forest power supply for BS motor



IMPORTANT: WHEN USING THE QUICK LOCK CORD ROLL, BE SURE TO LOCK THE CORD BEFORE USING THE MOTOR

PROGRAMMING WALL SWITCH TO BS MOTOR:

## REMOVE PROGRAMMED CHANNEL

#### **CHANGE MOTOR DIRECTION**

switch on power to the motor:



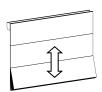
switch on power to the motor:



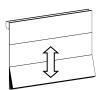
switch on power to the motor:



motor will jog to acknowledge:



motor will jog to acknowledge:



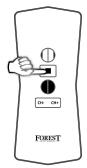
motor will jog to acknowledge:



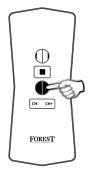
within 10 seconds after jog, select channel and press OPEN button



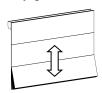
within 10 seconds after jog, select (to be removed) channel and press STOP button



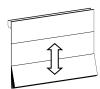
within 10 seconds after jog, select programmed channel and press CLOSE button



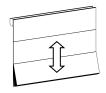
motor will jog to acknowledge:



motor will jog to acknowledge:



motor will jog to acknowledge:



NOTE: if you need to start over, switch off the power and wait at least 20 seconds before switching in the power



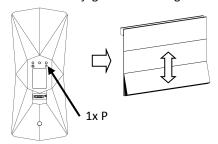
# BS 24V DOUBLE SHAFT MOTOR - 36.4800.0000 BUILD-IN RECEIVER - ELECTRONIC LIMIT SETTING

**SET UPPER END LIMIT** 

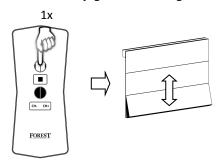
**SET LOWER END LIMIT** 

**DELETE LIMITS** 

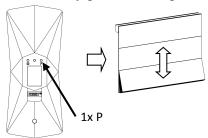
press P button once, motor will jog to acknowledge:



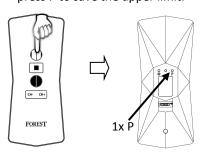
press OPEN button once, motor will jog to acknowledge:



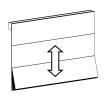
press P button once, motor will jog to acknowledge:



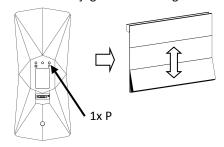
adjust desired upper end limit and press P to save the upper limit:



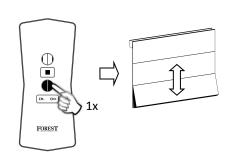
motor will jog to acknowledge:



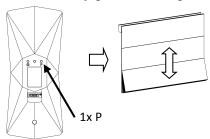
press P button once, motor will jog to acknowledge:



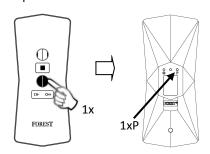
press CLOSE button once, motor will jog to acknowledge:



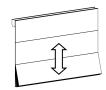
press P button once, motor will jog to acknowledge:



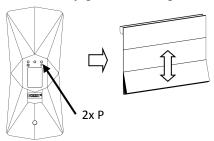
adjust desired lower end limit and press P to save the lower limit



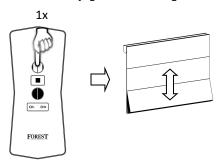
motor will jog to acknowledge:



press P button twice, motor will jog to acknowledge:

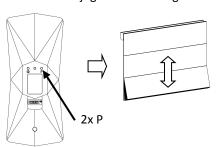


press OPEN button once, motor will jog to acknowledge:

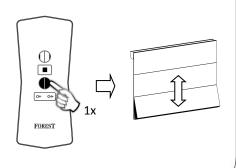


### **DELETE ALL MEMORY**

press P button twice motor will jog to acknowledge:



press CLOSE button on remote, motor will jog twice to acknowledge



FCC Statement Model: 520109X46X

FCC ID: 2AFO8520109X46X

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interful interference
- 2. This device must accept any interfence received, including thereference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for complance could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced technician for help.