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

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 / M RECEIVER PROGRAMMING

You can recognize these Shuttle motors by the white antenna cable.

To program a Diamond Remote to a Shuttle S / L / M Receiver:

1. Remove screw.
2. Slide back cover upwards to open remote and slide in battery, + side up.
3. LED moves from 1st → 2nd → 3rd LED.
4. Press 1x OPEN button.
5. LED starts blinking.

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.
**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.

<table>
<thead>
<tr>
<th>PROGRAMMING WALL SWITCH TO CLICK-ON RECEIVER:</th>
<th>REMOVE PROGRAMMED CHANNEL:</th>
<th>DELETE ALL PREVIOUS PROGRAMMED CHANNELS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>press program button, led will light up</td>
<td>press program button, led will light up</td>
<td>press and hold the program button for 10 seconds until control led starts blinking</td>
</tr>
<tr>
<td>hold the wall switch within 2 mtr from receiver. Select channel and press OPEN button</td>
<td>select (to be cancelled) channel and press CLOSE button</td>
<td></td>
</tr>
<tr>
<td></td>
<td>on receiver: <strong>led blinks 3 times</strong> and will go off</td>
<td>on receiver: <strong>led will blink once</strong> and will go off</td>
</tr>
</tbody>
</table>
FOREST MULTI RECEIVER / WALL SWITCH – 5201001360 / 1361
FOREST FMS/BCS MULTI RECEIVER – 5104011500

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 2,5mm²
- working temperature -10°C - +50°C

use screwdriver to take of cover

use screwdriver to take of cover

OPEN/UP button
STOP button
CLOSE/DOWN button

program button
control led

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.
<table>
<thead>
<tr>
<th>PROGRAMMING REMOTE TO TUBULAR MOTOR:</th>
<th>ADD MORE REMOTES OR CHANNELS TO TUBULAR MOTOR</th>
<th>CANCEL ALL REMOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>press button on motor, motor will turn short to acknowledge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>within 6 seconds: press P button two times</td>
<td></td>
<td></td>
</tr>
<tr>
<td>press P button one time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>press OPEN button one time</td>
<td>motor will turn to acknowledge</td>
<td></td>
</tr>
<tr>
<td>motor will turn to acknowledge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHANGING DIRECTION OF ROTATION:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To change the direction of rotation, keep green button on motor pressed for 7 sec, until motor turns to acknowledge.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. **1st remote**: press P button two times
2. **2nd remote**: press P button one time

1. press P button one time
2. press STOP button one time
3. press P button one time

1. press STOP button one time
2. press P button one time
3. press P button one time

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

motor will turn to acknowledge

motor will turn to acknowledge

motor will turn to acknowledge
ADJUSTING UPPER AND LOWER END LIMITS:

**IMPORTANT:**
- 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

1. Press P button one time
2. Press OPEN button one time
3. Press P button one time

Motor will turn to acknowledge.

Adjust to UPPER position:
- Height is reached. Press STOP button **5 times slowly for 1 seconds** to confirm.

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

Adjust to LOWER position:
- Height is reached. Press STOP button **5 times slowly for 1 seconds** to confirm.
CANCELLATION OF UPPER AND LOWER END LIMITS:

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

1x P button one time

press P button one time

1x P

press CLOSE button one time

1x CLOSE

press P button one time

1x P

motor will turn to acknowledge

REVERSE DIRECTION SETTING:

When motor is not running, press button on motor for ~ 7 seconds, until motor turns to acknowledge.
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:
1. switch on power to the motor:
   - motor will jog to acknowledge:
   - within 10 seconds, select channel, press P button and press OPEN button

   ① press P 1x
   ② press OPEN 1x

2. switch on power to the motor:
   - motor will jog to acknowledge:
   - within 10 seconds, select channel, press P button and press STOP button

   ① press P 1x
   ② press STOP 1x

3. switch on power to the motor:
   - motor will jog to acknowledge:
   - within 10 seconds, select channel, press P button and press CLOSE button

   ① press P 1x
   ② press CLOSE 1x

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

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

<table>
<thead>
<tr>
<th>SET UPPER END LIMIT</th>
<th>SET LOWER END LIMIT</th>
<th>DELETE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Press</strong> P button once, motor will jog to acknowledge:</td>
<td><strong>Press</strong> P button once, motor will jog to acknowledge:</td>
<td><strong>Press</strong> P button twice, motor will jog to acknowledge:</td>
</tr>
<tr>
<td><img src="image1" alt="Image of remote control" /></td>
<td><img src="image2" alt="Image of remote control" /></td>
<td><img src="image3" alt="Image of remote control" /></td>
</tr>
<tr>
<td>1x P</td>
<td>1x P</td>
<td>2x P</td>
</tr>
<tr>
<td><strong>Press</strong> OPEN button once, motor will jog to acknowledge:</td>
<td><strong>Press</strong> CLOSE button once, motor will jog to acknowledge:</td>
<td><strong>Press</strong> OPEN button once, motor will jog to acknowledge:</td>
</tr>
<tr>
<td><img src="image4" alt="Image of remote control" /></td>
<td><img src="image5" alt="Image of remote control" /></td>
<td><img src="image6" alt="Image of remote control" /></td>
</tr>
<tr>
<td>1x</td>
<td>1x</td>
<td>1x</td>
</tr>
<tr>
<td><strong>Press</strong> P button once, motor will jog to acknowledge:</td>
<td><strong>Press</strong> P button once, motor will jog to acknowledge:</td>
<td><strong>Press</strong> OPEN button once, motor will jog to acknowledge:</td>
</tr>
<tr>
<td><img src="image7" alt="Image of remote control" /></td>
<td><img src="image8" alt="Image of remote control" /></td>
<td><img src="image9" alt="Image of remote control" /></td>
</tr>
<tr>
<td>1x P</td>
<td>1x P</td>
<td>1x</td>
</tr>
<tr>
<td>Adjust desired upper end limit and press P to save the upper limit:</td>
<td>Adjust desired lower end limit and press P to save the lower limit</td>
<td><strong>Press</strong> P button twice, motor will jog to acknowledge:</td>
</tr>
<tr>
<td><img src="image10" alt="Image of remote control" /></td>
<td><img src="image11" alt="Image of remote control" /></td>
<td><img src="image12" alt="Image of remote control" /></td>
</tr>
<tr>
<td>1x P</td>
<td>1x P</td>
<td>2x P</td>
</tr>
<tr>
<td>Motor will jog to acknowledge:</td>
<td>Motor will jog to acknowledge:</td>
<td>Motor will jog twice to acknowledge</td>
</tr>
<tr>
<td><img src="image13" alt="Image of remote control" /></td>
<td><img src="image14" alt="Image of remote control" /></td>
<td><img src="image15" alt="Image of remote control" /></td>
</tr>
<tr>
<td></td>
<td></td>
<td><img src="image16" alt="Image of remote control" /></td>
</tr>
</tbody>
</table>

### DELETE ALL MEMORY

- **Press** P button twice, motor will jog to acknowledge:
- ![Image of remote control](image17)
- 2x P
- **Press** CLOSE button on remote, motor will jog twice to acknowledge
- ![Image of remote control](image18)
- 1x