

DD117C Bi-directional Receiver Instruction

Version: A/07

Product Features



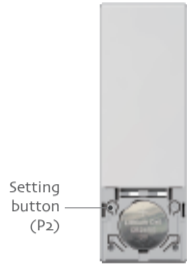
DD117C receiver

- Compatible with external switch
- Wireless control
- Stall protection
- Jog mode
- Memorized setting
- Virtual percentage control (limits need to be learned firstly)
- AC power 185V~250V
- S-type and B-type motor control switchable
- Maximum output power: 200W
- Radio frequency: 433.05~434.79MHz
- One DC117C receiver can store Max. 10 channels, after 10 channels, if add new channel, only the last channel will be covered circularly

Matchable Emitter



DD1600H



DD1600H Back

Matchable Motors



DM35S



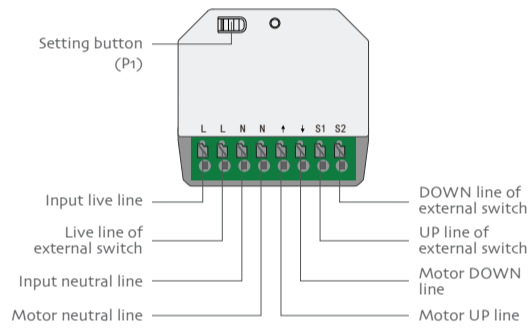
DM45S



B-type motor

Wiring

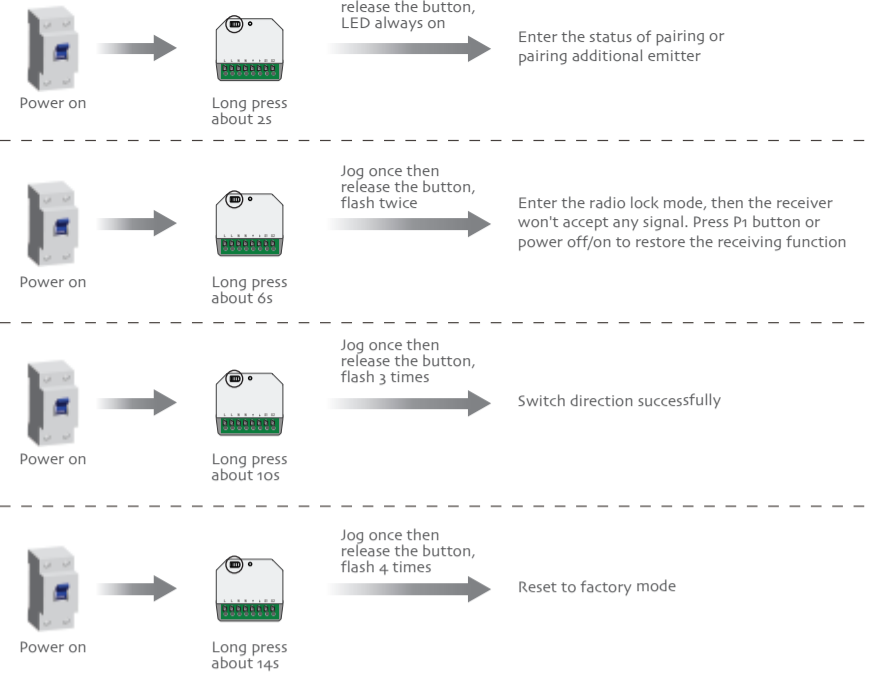
Note: The terminal for external switch is strong current; When the Live line of external switch connects S1 line, it means UP button of external switch; when the Live line of external switch connects S2 line, it means DOWN button of external switch.



1

Setting Button(P1) Operation

Note: If the motor with limits, press P1, shortly, then the motor will run up→stop→down→stop...recycling; if the motor without limits, press P1 shortly, the motor has no response.



Pairing / Pairing Additional Emitter

Note: During the setting status, every operation should be less than 10s, or else, it will exit the setting and back to original status.

Method one



Method two

Note: Emitter a is paired one while b is the unpaired one.



Method three

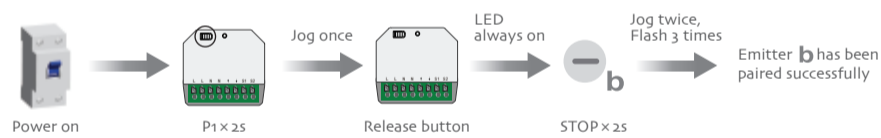
Note: Emitter a is paired one while b is the unpaired one.



2

Method four

Note: Emitter b is the unpaired one.



S-type And B-type Motor Mode Switching

Note: The factory default is S-type motor mode. S-type motor mode: stall protection and virtual percentage control functions; B-type motor mode: no virtual percentage control function.



Switch Direction

Note: if motor is installed in a way that rotates opposite to intended direction. e.g. press UP and motor runs downwards, try below to switch direction.



Virtual Percentage Control (In S-type Motor Mode)

Note: 1,Firstly set the upper and lower limits of the mechanic motors, then pair the receiver and run the motor to the upper and lower limits twice (during this process, the motor can't be stopped manually or by obstacles), the receiver will memorize the limits and calculate the virtual limits to do percentage control(by App or paired remotes). 2,After long time running, the motor enters into the thermal protection status, it is necessary to restudy the limit. 3,If the product is not at the preferred stop position, press STOP button 25, then the motor can run to the preferred stop position automatically.

! Only the virtual percentage control function has been studied, the App control will work.

Add a preferred stop position



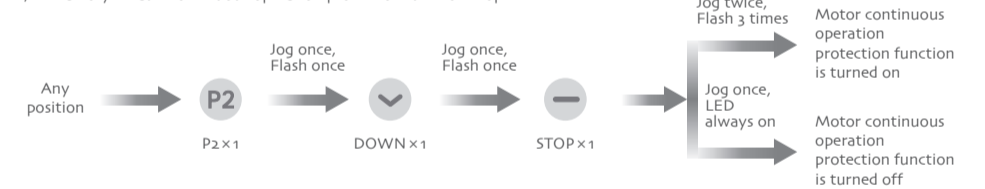
Remove the preferred stop position



3

Continuous Operation Protection Function

Note: 1,After the motor runs continuously in one direction for more than 4 minutes, the motor stops automatically. 2,The factory default continuous operation protection function is open.



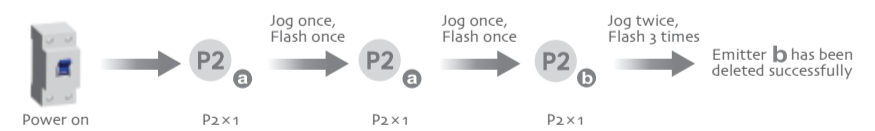
Deleting All Limits



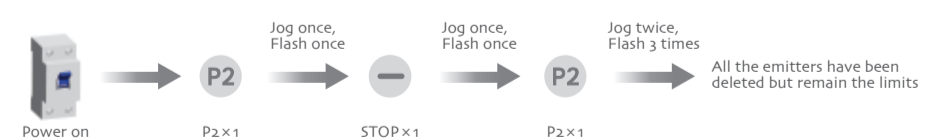
Unpair Emitters

Unpair one emitter

Note: Emitter a and b are existing emitters, emitter b will be deleted.



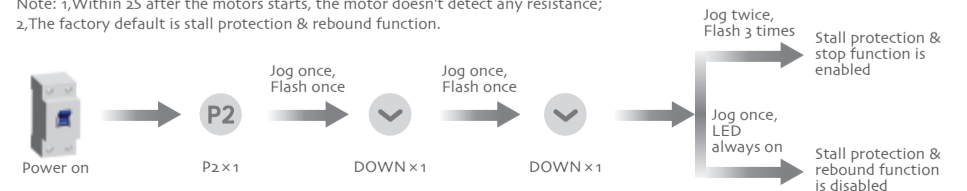
Unpair all emitters



Stall Protection Function (In S-type Motor Mode)

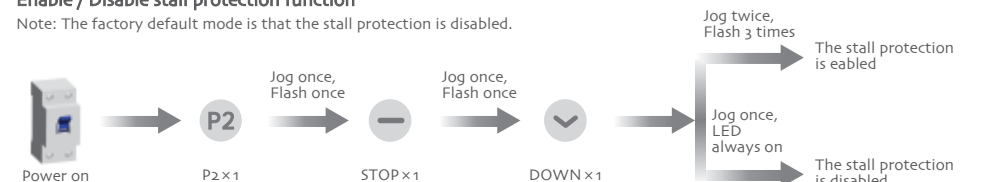
Switch stall protection & stop / rebound function

Note: 1,Within 25 after the motors starts, the motor doesn't detect any resistance; 2,The factory default is stall protection & rebound function.



Enable / Disable stall protection function

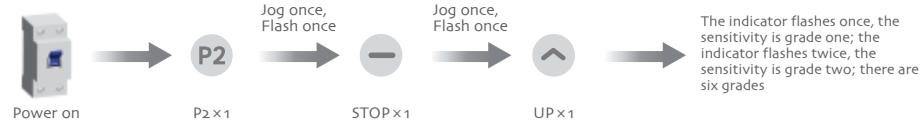
Note: The factory default mode is that the stall protection is disabled.



4

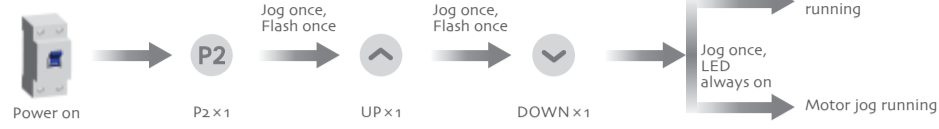
Adjustable stall protection sensitivity

Note: Factory default is the grade one. The grade one is the most sensitive, the grades six is the most insensitive.



Jog & Tilt Mode

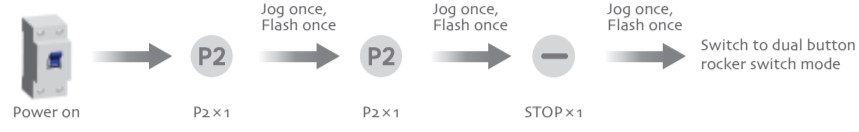
Note: The function is only valid after studying the set upper and lower limits.



External Switch Mode (Strong Current Switch)

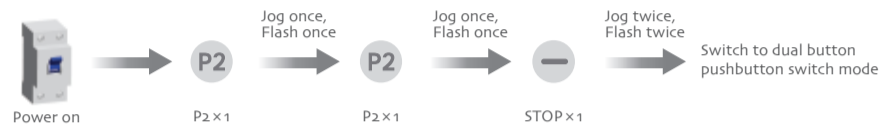
Dual button rocker switch mode

Note: In this mode, press UP, the motor will run upward, press UP again, the motor will stop; press DOWN, the motor will run downward, press Down again, the motor will stop.



Dual button pushbutton switch mode

Note: In this mode, press UP, the motor will run upward, close UP button, the motor will stop; press DOWN, the motor will run downward, close DOWN button, the motor will stop.



Three button switch mode

Note: 1, Press the stop button, that is, the up line, down line and live line of the external switch are connected at the same time. 2, In this mode, press UP, DOWN or STOP button, the motor will run upward, downward or stop; 3, In the jog running mode, press UP and DOWN button shortly, the motor will be jog running, press more than 1S, the motor will be continuous running, press stop button, the motor will stop.



Single button rocker switch mode

Note: Press the switch button, the motor will run upward→stop→downward→stop.....in recycle.

