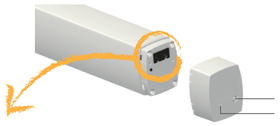
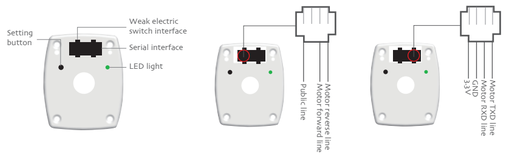
Curtain Motor-DT82TV/F Specification

(A-00)

Product introduction





Functional features:

- Weak electric switch selection function
- Strong electric switch selection function
- Serial interface communication control
- The third limit position setting function
- Z-Wave setting
- Hand-pull function
- Resistance and stop function
- Electronic memory limit function
- Manual setting for limit boundaries function

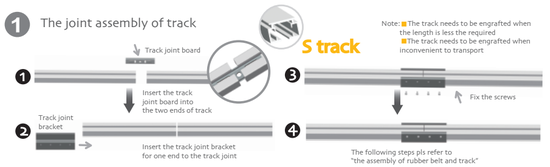
Working Temperature

Parameter (More models and parameters are subject to the nameplate)

Type	DT82TV/F
Rated Torque(N.m)	1.2N.m
Open/close Speed(cm/s)	14cm/s
Rated Voltage(V)	AC 100V-240V
Emission Frequency(MHz)	433.925MHz
Z-Wave Frequency(MHz)	868.4MHz EU;908.4MHz US

Motor installation

1 The joint assembly of track



Note: ■ The track needs to be engrafted when the length is less the required
■ The track needs to be engrafted when inconvenient to transport

2 The assembly of rubber belt for curtain motor

The comfirmation of profiled material dimension

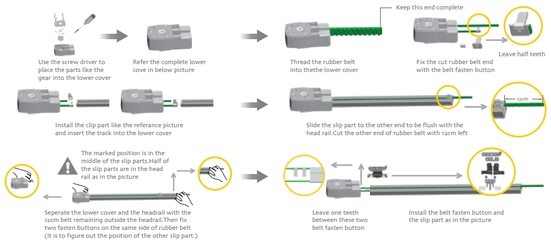
DT82TV/F

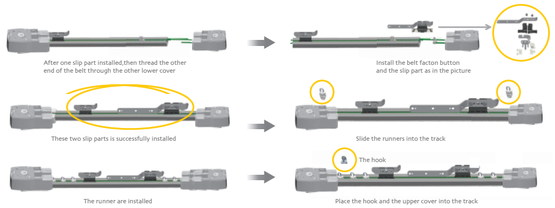
e.g.

The length of profiled material = The total lenth of track - The cap length × 2

The total length of track is 2m

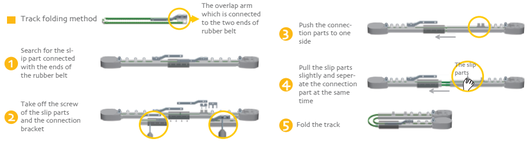
DT82TV/F The length of profiled material: 200cm--14cm=186cm



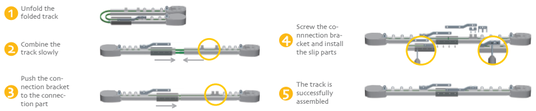


3 Folding method for joint track (for easy transit)

■ Track folding method



■ Restoring the track



4 The installation method of curtain motor

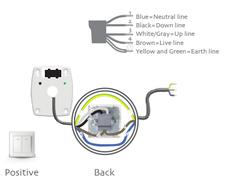
1 Check the position of brackets, fix it at an appropiate place on the track

2 Assemble the curtain motor track at appropriate place, then fix with screws

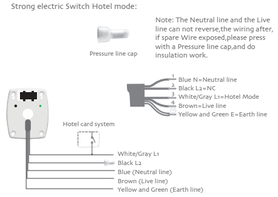
3 Assemble the motor ➡ 4 Please check assembling is ok ➡ 5 Finish assembling

5 Strong electric Switch installation of curtain motor

Strong electric Switch mode 1 & mode 3:



Strong electric Switch Hotel mode:



Note: Specific operation see back <Strong electric switch mode selection> action bar.

Operation note

1. Operating:
   ①The valid interval of the emitter button is 10s,the emitter will quit the set after 10s;
   ②The LED flashes for hint,please do the next step after the hint.
2. Set limit position:
   ①Every time you install the motor,first set after a curtain opened travel to work properly;
   ②After setting,with power off and memory function,after each power cycle required to open or close a recovery limit;
   ③After replacing the track or cord to be removed for the limit,and then set limit.
3. When the motor running without any operation,the maximum running time is 4 minutes,it will stop automatically.
4. If the emitter lost,please set up again with new emitter.
5. Z-Wave setting:
   ①Associations:
   This product support 2 association groups; each group supports max 5 associated nodes.GROUP 1 is lifeline service that assigned to curtain motor position. It enables the curtain motor to send reports to Z-Wave Controller or Z-Wave Gateway whenever the motor is starting or stopped.
   The Group Support:
   SWITCH_MULTILEVEL_REPORT_V3
   DEVICE_RESET_LOCALLY_NOTIFICATION
   GROUP 2 allows for Send Multilevel Report to associated devices in this group.This Group Support:
   SWITCH_MULTILEVEL_REPORT_V3
   ②Support Command Class
   COMMAND_CLASS_BASIC(V1)
   COMMAND_CLASS_ZWAVEPLUS_INFO(V2)
   COMMAND_CLASS_VERSION(V2)
   COMMAND_CLASS_MANUFACTURER_SPECIFIC(V2)
   COMMAND_CLASS_SWITCH_MULTILEVEL(V3)
   COMMAND_CLASS_SWITCH_BINARY(V1)
   COMMAND_CLASS_DEVICE_RESET_LOCALLY(V1)
   COMMAND_CLASS_ASSOCIATION(V2)
   COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION(V3)
   COMMAND_CLASS_ASSOCIATION_GRP_INFO(V1)
   COMMAND_CLASS_CONFIGURATION(V1)
   COMMAND_CLASS_POWERLEVEL(V1)
   COMMAND_CLASS_TRANSPORT_SERVICE(V2)
   COMMAND_CLASS_SECURITY(V1)
   COMMAND_CLASS_SECURITY_2(V1)
   COMMAND_CLASS_SUPERVISION(V1)
   COMMAND_CLASS_FIRMWARE_UPDATE_MD(V4)
   Securely 52 Supported Command Classes:
   COMMAND_CLASS_ASSOCIATION_GRP_INFO(V1)
   COMMAND_CLASS_SUPERVISION(V1)
   COMMAND_CLASS_POWERLEVEL(V1)
   COMMAND_CLASS_ASSOCIATION(V2)
   COMMAND_CLASS_VERSION(V2)
   Basic Mapping:
   Basic Set = 255 maps to Multilevel Switch = 255
   Basic Set = 0 maps to Multilevel Switch = 0
   Basic Set = 1-99 maps to Multilevel Switch = 1-99
   Basic Get/Report maps to Multilevel Switch Get/Report
   ③Advanced configuration:
   1.Set the direction:This parameter can be used to set the motor rotation direction,the motor direction is forward (Configuration Value set to 0) or the opposite direction(Configuration Value set to 1),The default value is 0.

Command	Parameter Number	Size	Configuration Value	Default
CONFIGURATION_SET	1	1	0~1	0

   2.Set to start holding hands:This parameter can be used to set the motor open hand start function(Configuration Value set to 0) or closd(Configuration Value set to 1),The default value is 0.

Command	Parameter Number	Size	Configuration Value	Default
CONFIGURATION_SET	2	1	0~1	0

   3.Configure weak electric switch mode:This parameter can be used to set the need of weak electric switch mode. Provide 4 kinds of weak electric switch mode is optional,respectively:Double-button reboundable switch(Configuration Value set to 1),Double-button not reboundable switch(Configuration Value set to 2),DC246 switch(Configuration Value set to 3),Single-button cyclic switch mode(Configuration Value set to 4),The default value is 1.

Command	Parameter Number	Size	Configuration Value	Default
CONFIGURATION_SET	3	1	1~4	1

   4.Configure strong electric switch mode:This parameter can be used to set the need of strong electric switch mode. Provide 3 kinds of weak electric switch mode is optional,respectively:Double-button not reboundable(Configuration Value set to 0) ,Hotel mode(Configuration Value set to 1),Double-button reboundable mode(Configuration Value set to 2),The default value is 0.

Command	Parameter Number	Size	Configuration Value	Default
CONFIGURATION_SET	4	1	0~2	0

   5.Read whether the total limit is set:This parameter can be used to read the motor's total limit is already set.Not set the limit(Read into the Configuration Value is 0);Already set the limit(Read into the Configuration Value is 1)

Command	Parameter Number
CONFIGURATION_GET	5

   6.Read the device type:This parameter can be used to read the type of the motor.Motor types are divided into curtain motor(Read into the Configuration Value is 0x01),shutter(Read into the Configuration Value is 0x11),Venetian blinds (Read into the Configuration Value is 0x12)

Command	Parameter Number
CONFIGURATION_GET	6

   7.Read the motor power supply type:This parameter can be used to read the motor power supply type.The power of motor is classified into:Mains power supply(Read into the Configuration Value is 0),battery power(Read into the Configuration Value is 1).

Command	Parameter Number
CONFIGURATION_GET	7

   8.Manually set / cancel open borders:Manually set the open boundary of the curtain(Configuration Value set to 1), cancel manually open the border of the curtain(Configuration Value set to 0).

Command	Parameter Number	Size	Configuration Value
CONFIGURATION_SET	8	1	0~1

   9.Manually set / cancel close borders:Manually set the close boundary of the curtain(Configuration Value set to 1), cancel manually close the border of the curtain(Configuration Value set to 0).

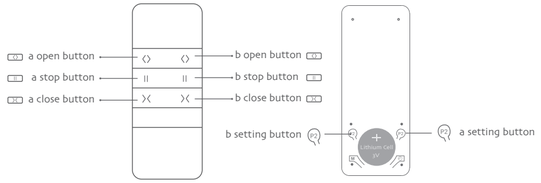
Command	Parameter Number	Size	Configuration Value
CONFIGURATION_SET	9	1	0~1

   10.Delete the limit:This command can delete the limit that has been set for the motor.

Command	Parameter Number	Size	Configuration Value
CONFIGURATION_SET	A	1	7F

   ④This device is a security enabled Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security enabled Z-Wave Plus products
   ⑤This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully utilize all

Button specification



1 Setting up

Method one

Method two

Note: If the motor has been matched the code,can't use this method;Press the open button, if the curtain closed, please perform the reverse of direction setting.

2 The reverse of direction setting

3 Limit position setting

1, Set the limit position

2, Cancel the limit

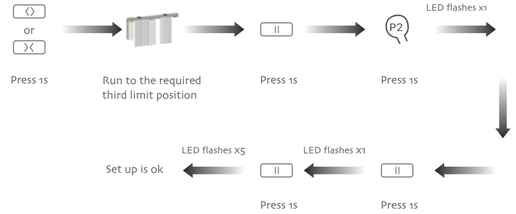
4 Manual setting for limit boundaries

In the state has been set to limit, the curtain to need to run to the curtain open/closed position,can perform the following actions.

1, Adjust the open limit position manually

2, Adjust the close limit position manually

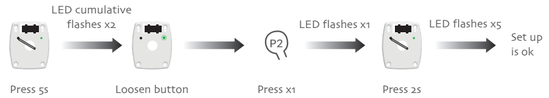
5 The third limit position setting



Note: The clear third limit point method same as set the limit point;Long press the stop button for 2s,the motor moves to the third limit position automatically.

6 Weak electric switch mode selection

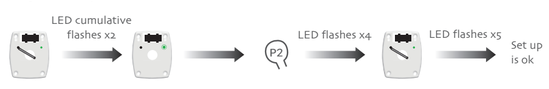
1, Double-button reboundable switch mode(The factory default to weak electric switch mode)



2, Double-button not reboundable switch mode

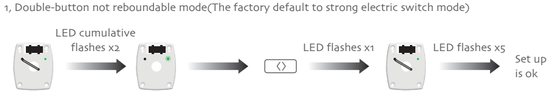
3, DC246 switch mode

4, Single-button cyclic switch mode

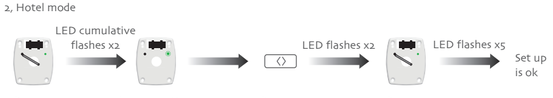


7 Strong electric switch mode selection

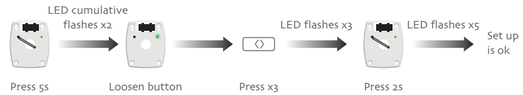
1, Double-button not reboundable mode(The factory default to strong electric switch mode)



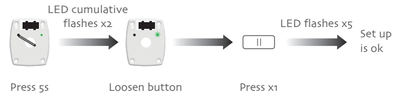
2, Hotel mode



3, Double-button reboundable mode



8 Touch-start



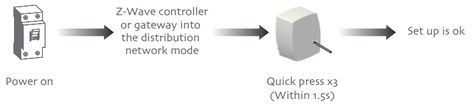
9 Serial interface setting up

10 Z-Wave setting

1, LED lights status

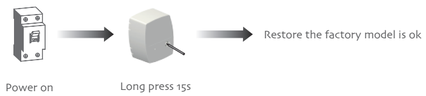
The product status	LED lights status
Outside the network	The LED lights flash breathing light
In the network	The LED lights off
Add the net/Remove the network	The LED light flashes continuously
Restore the factory model	The LED light flashes once

2, Add the net/Remove the network operation



Note: Z-Wave controller or gateway into the mode of distribution network operation reference related operation manual.

3, Restore the factory model



Note: Please use this procedure only when the network primary controller is missing or otherwise inoperable; this operation is Z-Wave part and motor and restore factory Settings.

Fault and solution

NUMBER	COMMON FAULTS	PROCESSING METHOD
1	The motor is not running	Check the power supply
2	Unable to control remote controller	Replace the emitter battery
3	Remote control on the contrary	Implement the reverse of direction setting
4	Remote switch on the contrary	Replacement switches line order
5	Cannot close	1, Check emitter's open button to ensure if it works with open function,if not,please change direction firstly;2, check limit position;
6	Always hit or couldn not get to the edge	Cancel the limit,setting again
7	With the hand to pull,feeling stuck	Set the limit of the limit
8	Encounter obstacles will not stop	Check the screw used to fixed orbital