**Bojay PLC control API manual**

FileName: DouwinAPI.py

Version : V1.0

Date: 2019.1.8

Company:Bojay

1. OpenSerial(serialName/None)

Parameters:

serialName:The serial port name/None

Function:

Open PLC serial port

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

2. CloseSerial()

Parameters:

None

Function:

Close PLC serial port

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

3. Start\_Douwin()

Parameters:

None

Function:

Start-up test box of douwin device

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

4.Stop\_Douwin()

Parameters:

None

Function:

Stop test box of douwin device

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

5.DeviceStop\_Douwin()

Parameters:

None

Function:

Stop test box of douwin device

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

6.DeviceContinue\_Douwin()

Parameters:

None

Function:

Continue to run the test box of douwin device

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

7.GetCurrentTemp\_Douwin()

Parameters:

None

Function:

get value of the current temperature

Returns:

int(value): Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

8.SetAimsTemp\_Douwin(value)

Parameters:

value:the target temperature,int

Function:

This setting command is used to set the target temperature (integer) of the temperature box. After starting the incubator, the incubator achieves the goal of refrigeration or heating.

After the temperature, it runs at a constant target temperature.

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()

9.GetAimsTemp\_Douwin()

Parameters:

None

Function:

get the target temperature

Returns:

0: Success

-1: Fail

ErrorMessage:

Call GetErrorMessage()