User's Manual

For

HISU-DM

Handheld Intelligent Setting Unit
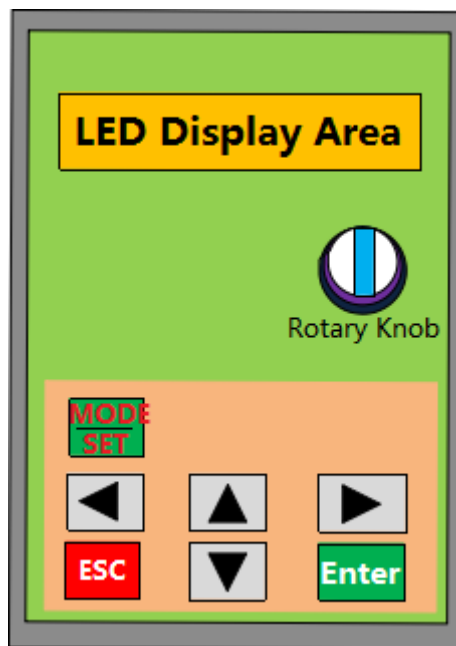
Web site: www.omc-stepperonline.com

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HISU-DM Manual

1. **Main Function**:

1) Reset;

2) Parameter Tuning;

3) Upload/ Download Of Parameter.
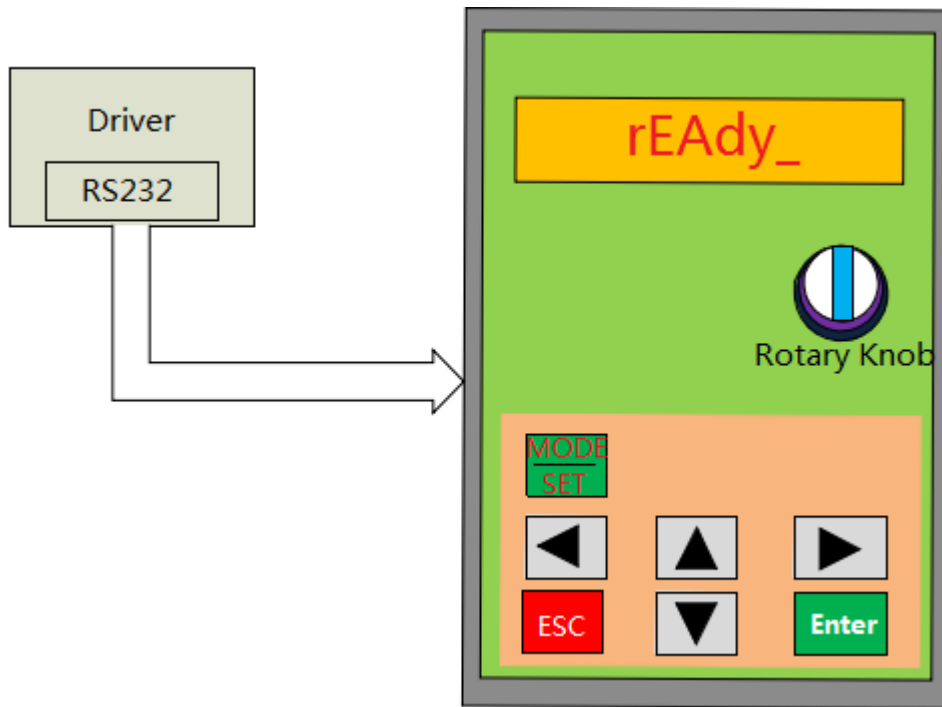
2. Introduction To Keypad

Function of the key:

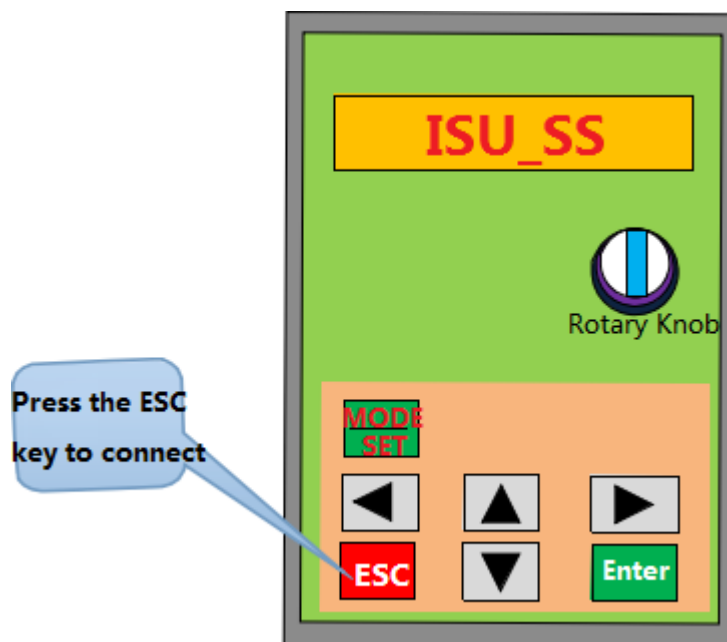| Icon	Function	Icon	Function
MODE/SET	Mode setting	ESC	Connect/exit
◀	Left shift	Enter	Confirm
▲	Numerical increase	▼	Numerical decrease
▶	Right shift		

3. Display and connecting when power on
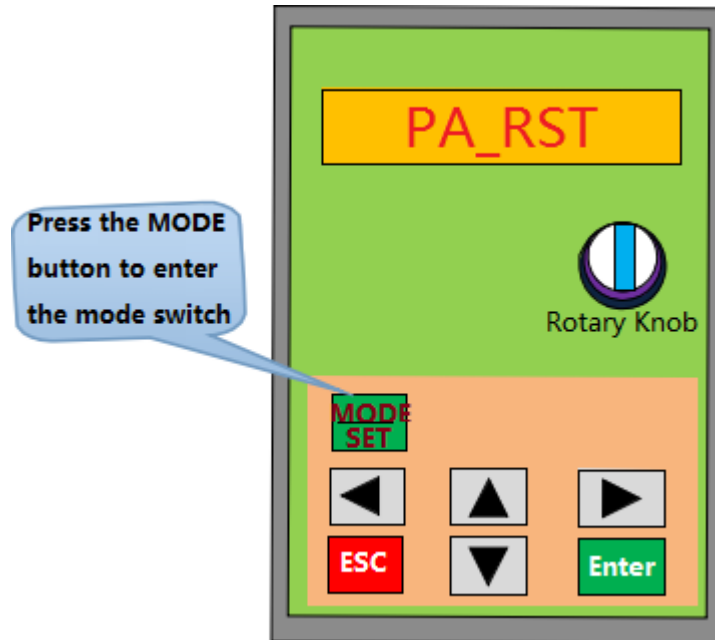
3.1 When powered up, it will display rEAdy_:

3.2 Connection:

After the connection is successful, the display is as follows(If not connected, the LED

digital tube will always blink):

4. Mode function switching：

4.1 After the connection is successful, the MODE button is used to enter each mode function. The following figure shows the parameter reset function:

4.2 The function description is as follows:

| LED Display	Function	Remark
PR_RST	Parameter reset	Parameter initialization
PA_ _01	Parameter tuning	Adjust the parameter value
dA_ _UP	Upload/ Download Of Parameter	Multiple sets of parameters upload/download

5. Operating instruction

5.1 Key block diagram of key operation:
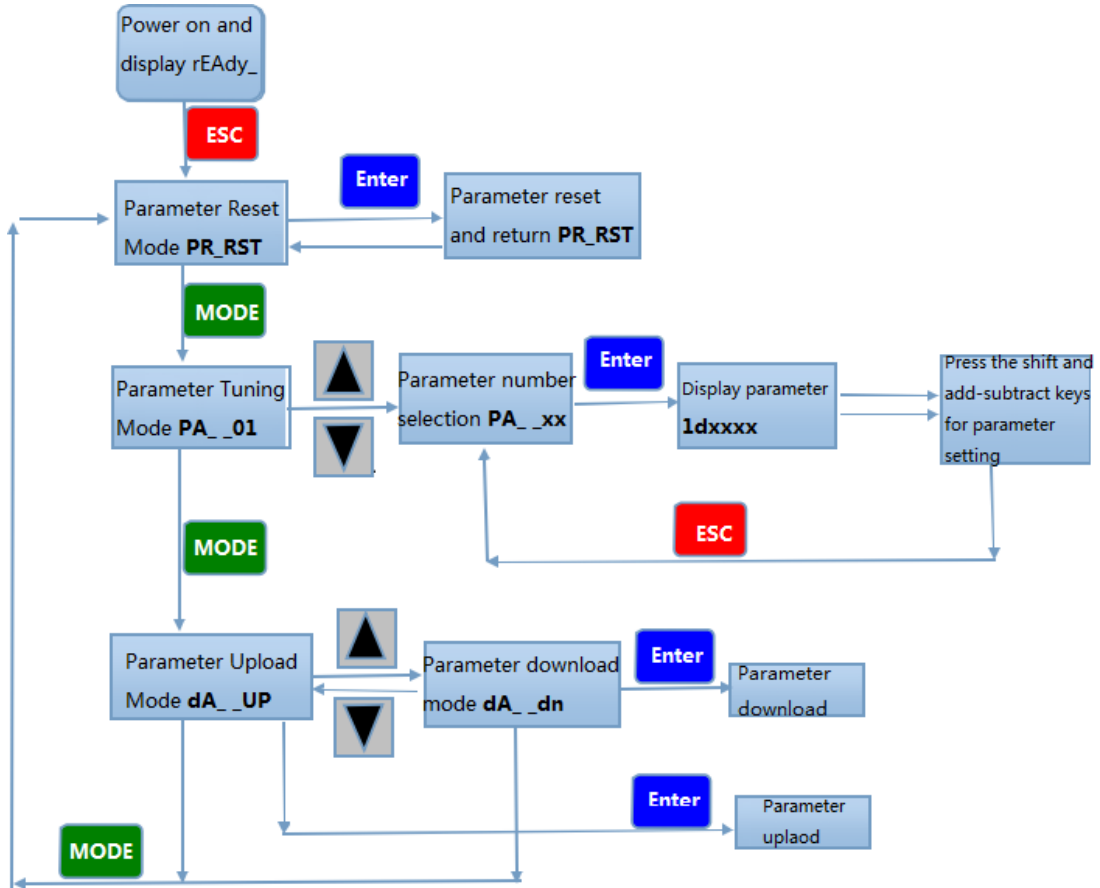
Note: Press each function key to adjust the mode or parameter. The arrow indicates the effect after pressing the button.

5.2 Parameter mode operation example:
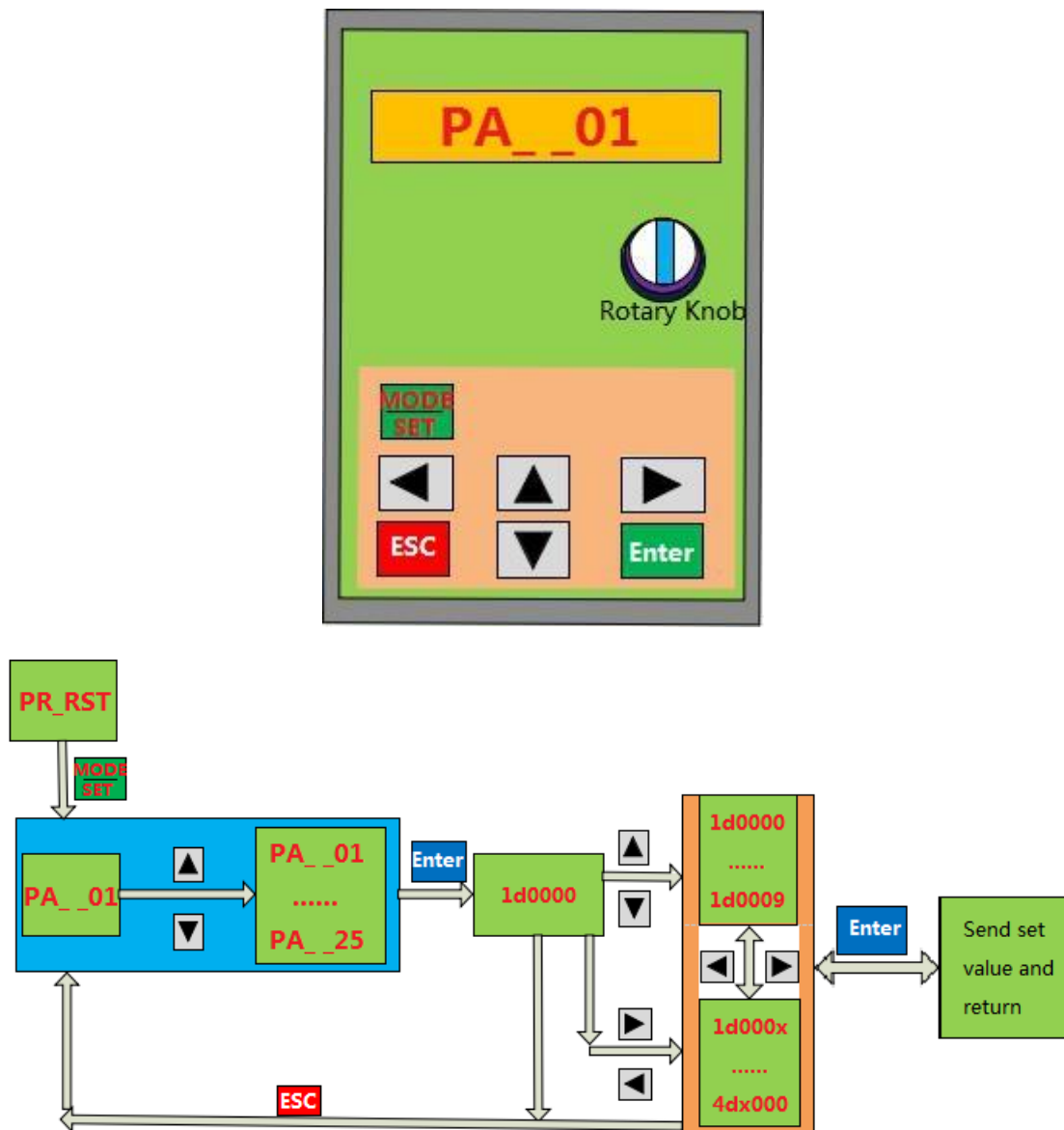
Note: The adjustment range of each parameter is 0--4000. When the Enter key is pressed to adjust the parameter, the original value of the parameter can be viewed. After the parameter is changed, the actual value returned by the driver is displayed. (For example, if the send value was changed to 9, but the actual returned value is 1, it will display 1.)

The parameters are described in the following table:

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Display	Address	Original value	Remark	Range
PR_RST	0x00	11		0--4000
PR_ _01	0x01	xx		0--4000
PR_ _02	0x02	xx		0--4000
PR_ _03	0x03	xx		0--4000
PR_ _04	0x04	xx		0--4000
PR_ _05	0x05	xx		0--4000
PR_ _06	0x06	xx		0--4000
PR_ _07	0x07	xx		0--4000
PR_ _08	0x08	xx		0--4000
PR_ _09	0x09	xx		0--4000
PR_ _10	0x0a	xx		0--4000
PR_ _11	0x0b	xx		0--4000
PR_ _12	0x0c	xx		0--4000
PR_ _13	0x0d	xx		0--4000
PR_ _14	0x0e	xx		0--4000
PR_ _15	0x0f	xx		0--4000
PR_ _16	0x10	xx		0--4000
PR_ _17	0x11	xx		0--4000
PR_ _18	0x12	xx		0--4000
PR_ _19	0x13	xx		0--4000
PR_ _20	0x14	xx		0--4000

PR_ _21	0x15	xx		0--4000
PR_ _22	0x16	xx		0--4000
PR_ _23	0x17	xx		0--4000
PR_ _24	0x18	xx		0--4000
PR_ _25	0x19	xx	Rotary Knob	0--4000

5.3 Knob function operation example:
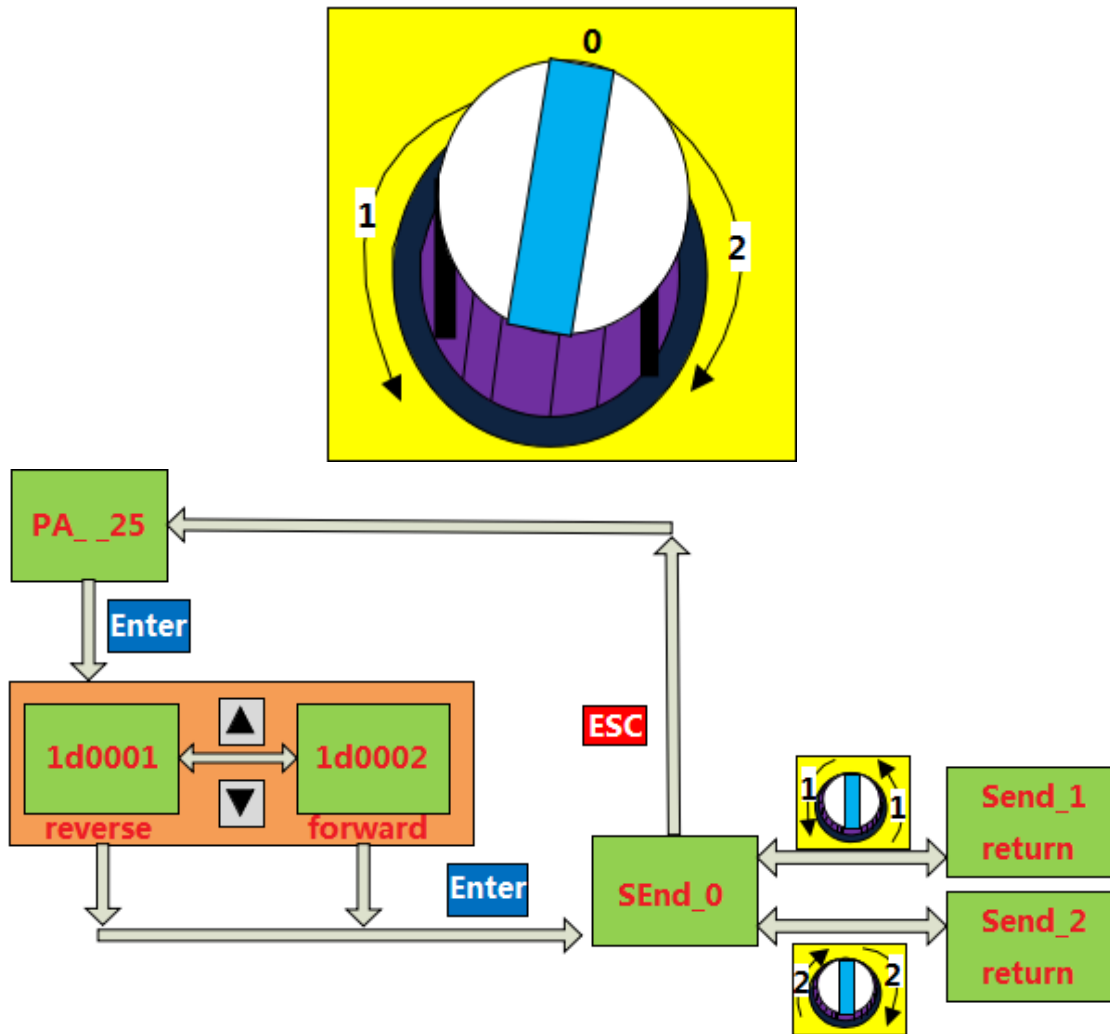
Note: After selecting the direction of rotation, turn the knob, clockwise to decelerate, and counterclockwise for acceleration; acceleration/deceleration are determined by the number of rotations, and one rotation is considered to be acceleration/ deceleration once (within 45 ms). If it is stationary, the original speed is maintained. Press ESC to exit.