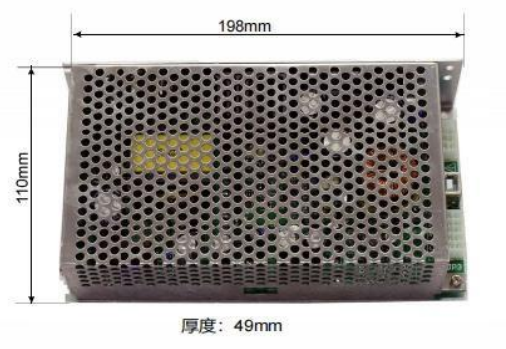
V2.x V3.x General version of the switching power supply holding box manual

I. Product introduction

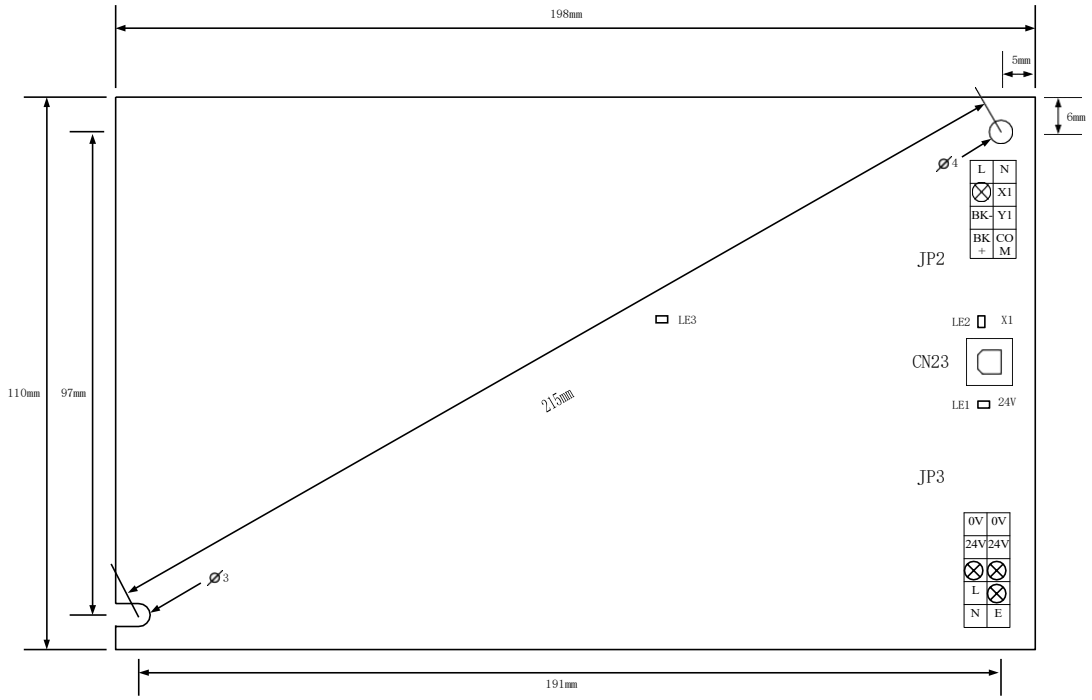


- 32-bit high-performance control chip
- Adoption of high-power IGBT voltage regulation
- Digitalized voltage setting with DK30 operator
- Practical for all kinds of electromagnetic brakes

II. Product Functional Parameters

- Input voltage range (AC110-220V)
- Adjustable strong excitation voltage (DC48-220V)
- Maintenance voltage adjustable (DC48-220V)
- Adjustable opening curve time (0-3/sec)
- Adjustable opening intermediate voltage
- Adjustable closing intermediate voltage
- Closing curve time adjustable
- Control mode selectable: X1 control enable, closed curve enable
- Current detection function
- Output DC24V, rated current 6A

III. Installation Dimensions



Note:

LE1: Power indicator

LE2: Holding brake operation control signal indicator

LE3: Factory reserved

IV. Holding brake power box terminal description

Mark			Name	Functional Description	Distribution and description
JP2	1	BK+	BK+	Output Brake Power Positive	
	2	BK-	BK-	Output Brake Power Negative	
	3	None	None		
	4	L	L	Input AC L Terminal	
	5	CO	COM	Reserved by the Manufacturer	
	6	Y1	Y1		
	7	X1	X1	Brake Operation Control Signal	
	8	N	N	Input AC N Terminal	
JP3	1	N	AC220	Brake Box Input Power	
	2	L			
	3	None	None		
	4	24V	24V	Switched Power Supply Output 24V	
	5	0V	0V	Switched Power Supply Output 0V	
	6	E	GND	GND	
	7	None	None		
	8	None	None		
	9	24V	24V	Switched Power Supply Output 24V	
	10	0V	0V	Switched Power Supply Output 0V	

L	4	8	N
None	3	7	X1
BK-	2	6	Y1
BK+	1	5	COM

0V	5	10	0V
24V	4	9	24
None	3	8	None
L	2	7	None
N	1	6	E

V. Debugging step

Example: Setting the maintenance voltage to 110V

1. Access to the operator DK30 display Initial status screen

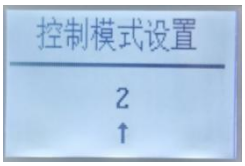
2. Press MENU to display Press MENU to display the parameter

3. Press ENTER to confirm and display the adjustment screen.

4. Press the down key to move the cursor to the control mode.

5. Press ENTER to confirm the display of the value before adjustment

6. Press UP to adjust the desired mode (e.g. 2)



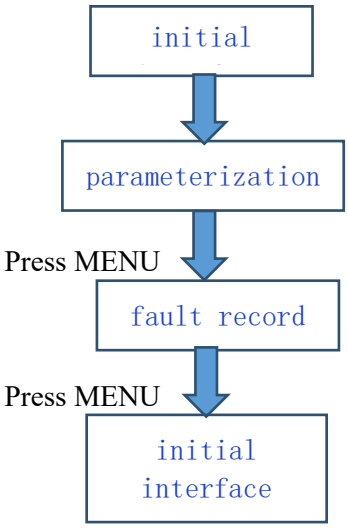
7. Press ENTER to confirm that the modification is successful.

8. Press MENU to return to the parameter adjustment interface.

9. Press MENU to return to Fault Record Screen

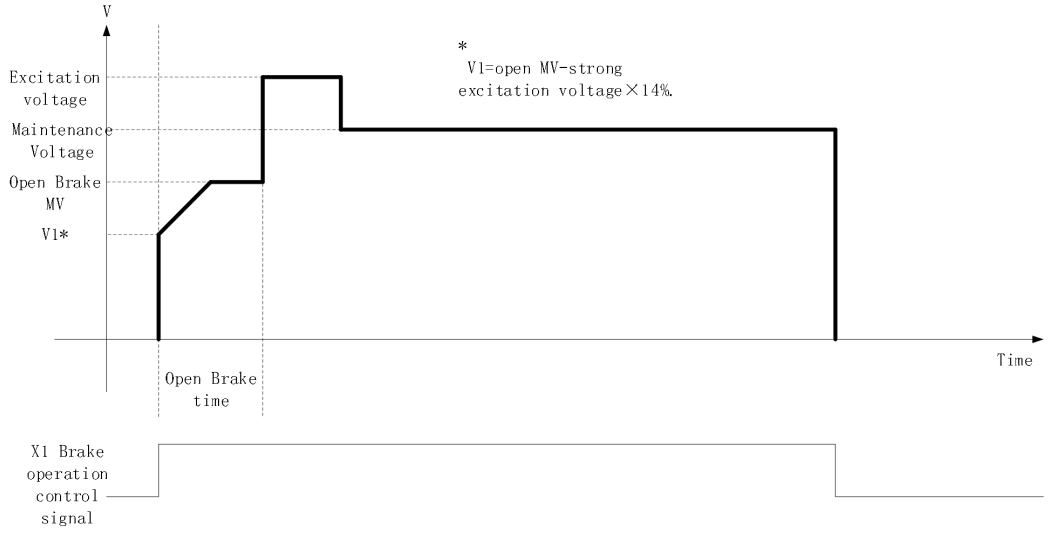
Press MENU

Note: The MENU key is both a menu key cycle key It is also the return key

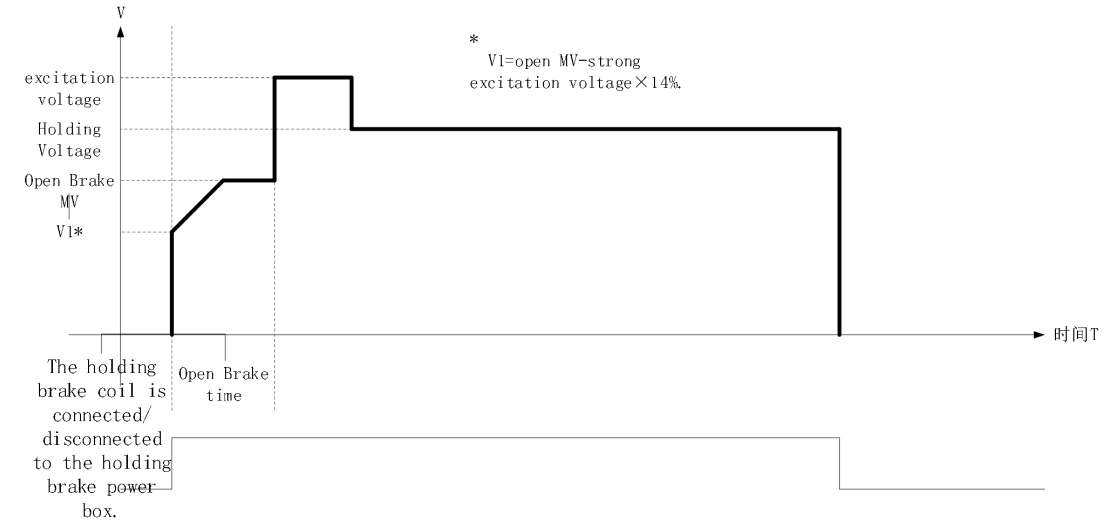


VI. Control modes:

1、 Control mode=0：



2、 Control mode=1：



3、Control mode=2：