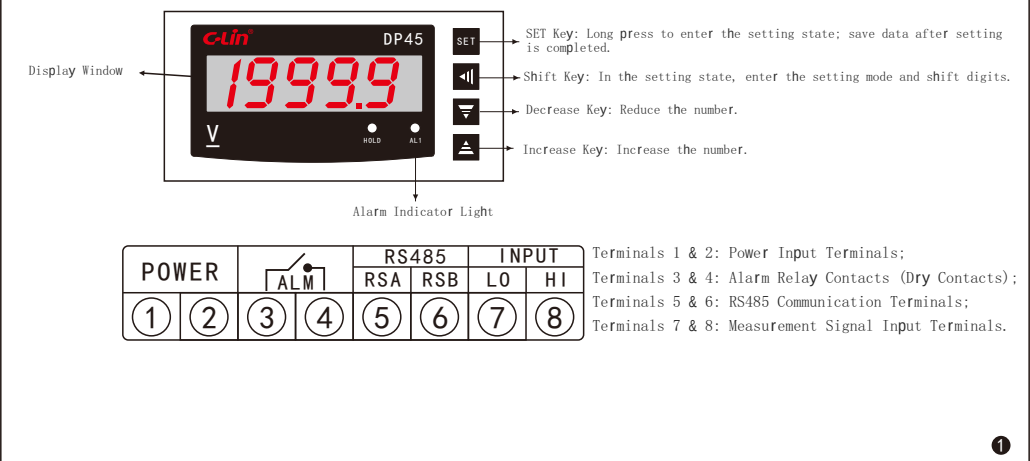


I. Technical Parameters

- 1.Instrument Accuracy: Class 0.5
- 2.Display Range: -19999 ~ 31000
- 3.Working Power Supply: Default AC220V±10%, 50Hz (Other power supplies need customization)
- 4.Outline Dimensions: 48mm×96mm×87mm
- 5.Mounting Hole Dimensions: 44₋₀^{+0.5}mm×92₋₀^{+0.5}mm
- 6.Complies with Standard GB/T 22264

II. Panel and Wiring Diagram Description



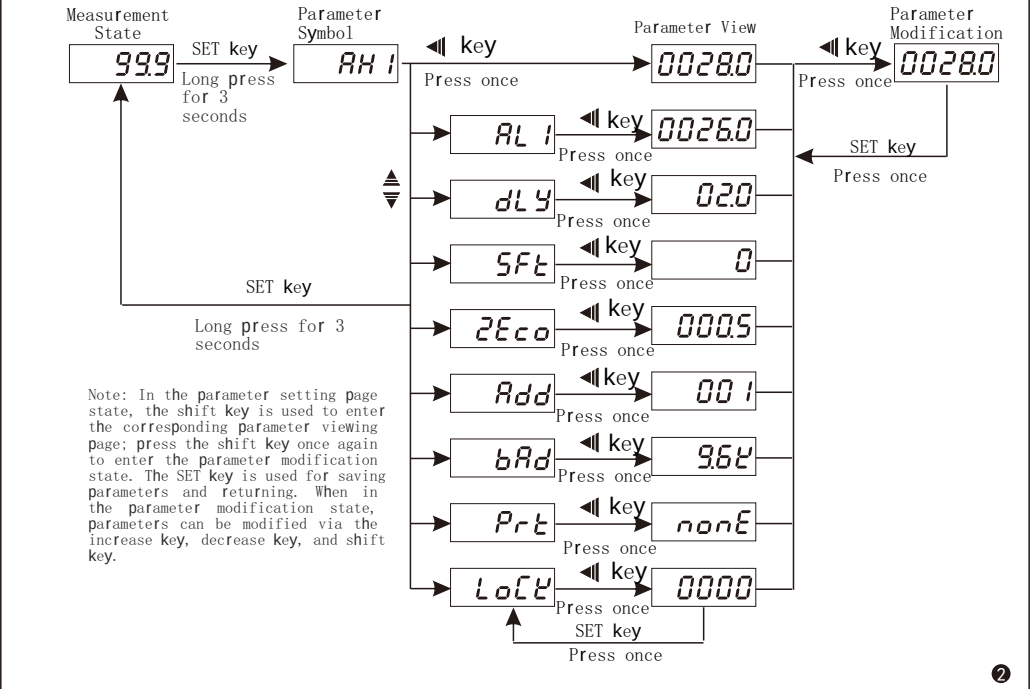
1

Parameter Description

Parameter Symbol	Description of Parameter Symbol	Range and Setting Value	Remarks
AH1	Relay Pick-up Value	-1999.9~31000.0 Default value: 28.0	If AH1 is greater than AL1, the relay picks up when the measurement exceeds AH1 and releases when it is less than AL1; If AL1 is greater than AH1, the relay picks up when the measurement exceeds AL1 and releases when it is less than AH1.
AL1	Relay Release Value	-1999.9~31000.0 Default value: 26.0	
dLY	Relay Delay Pick-up Time	0~99.9 Default value: 2.0	The relay pulls in after a delay for a certain time when the measured value reaches the relay pull-in value.
SFt	Filter Coefficient	0~9 Default value: 0	The filtering range increases progressively from 0 to 9.
ZEco	Small Signal Cut-off	0~999.9 Default value: 0.5	Used to cut off small interference signals.
Add	Communication Address	1~247 Default value: 001	Parameters related to communication settings.
bAd	Communication Baud Rate	9.6K~115.2K Default value: 9.6K (9600)	
Prt	Communication Parity Bit	none (no parity), odd (odd parity), even (even parity) Default: no parity	
LoCk	Data Lock	0000: Unlocked; 0010: Locked menu (view only) Default: 0000	Used to protect setting parameters after the menu is locked.

3

III. Explanation of Parameter Setting Method



2

IV. Communication Instructions

Protocol Type: MODBUS-RTU

1.Physical Layer : Transmission Mode: 485
Communication Address: 1~247
Communication Baud Rate: 2400, 4800, 9600 (default), 14400, 19200, 28800, 38400, 57600, 115200
Communication Medium: Shielded Twisted Pair

2.Data Link Layer : Transmission Mode: Master-slave Half-duplex
Format of a Data Frame

a.1 start bit, 8 data bits, even parity, 1 stop bit
b.1 start bit, 8 data bits, odd parity, 1 stop bit
c.1 start bit, 8 data bits, no parity, 2 stop bits (default)

Format of a Data Packet

Address Code	Function Code	Data Code	Check Code
8-Bits	8-Bits	N*8-Bits	16-Bits

Explanation of Function Codes

Code	Meaning	Function
03H	Read Holding Registers	Obtain current data of one or more holding registers
06H	Write Single Holding Register	Write single data to a single holding register
16H	Write Multiple Holding Registers	Write multiple data to multiple holding registers
04H	Read Input Registers	Obtain current data of one or more input registers

4

