

ZX-288A Large Screen Line Speed Display Table

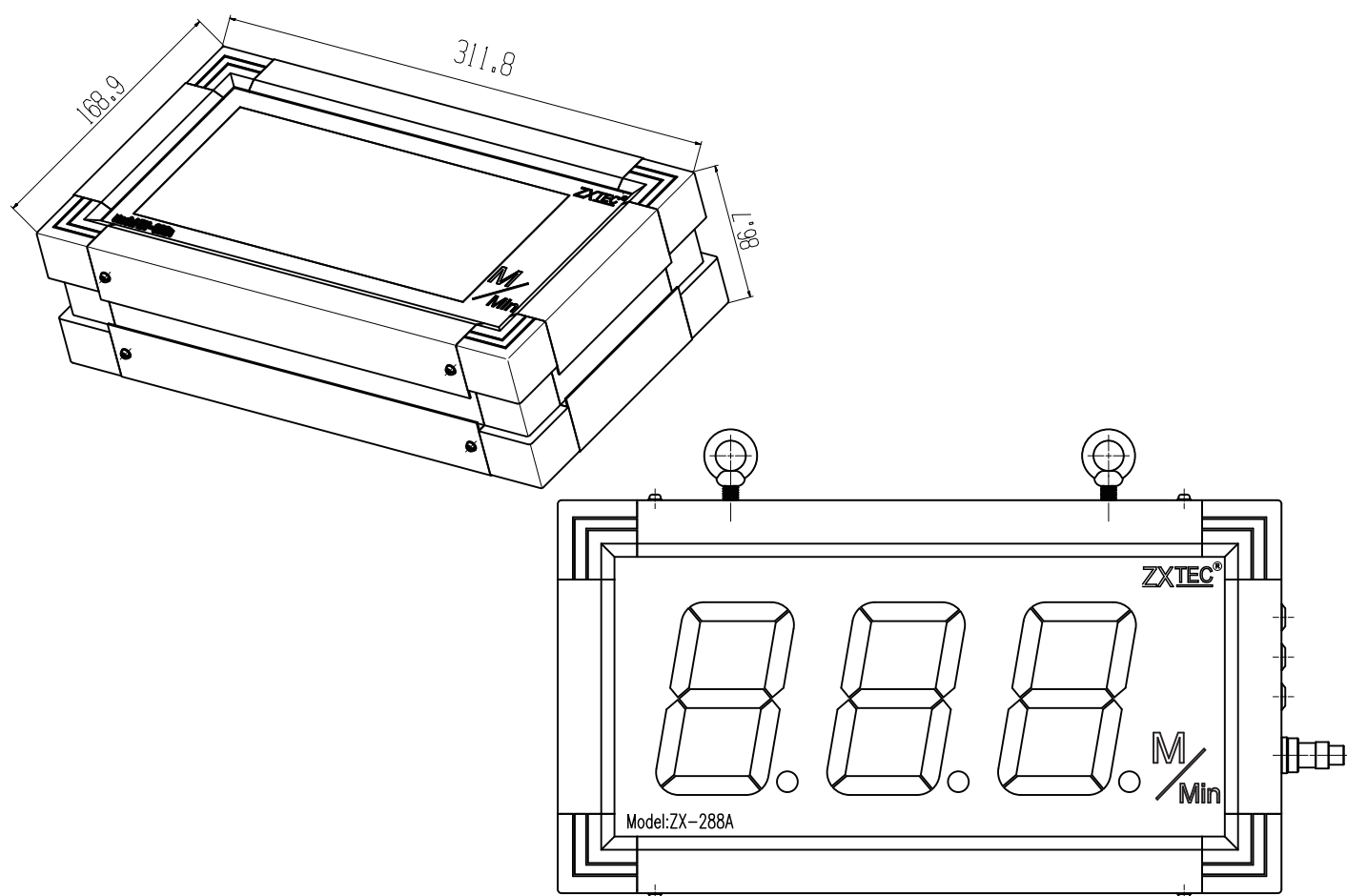
One, Brief introduction:

ZX-288A is A large screen double-sided line speed detection and display instrument, the display table can use hall switch or meter wheel as the input signal, or can use MODBUS RTU communication to display the data directly to the instrument. The display table has a variety of installation methods, which can be vertical or hanging installation. The power supply can be DC 12V-30V input.

Two, Technical parameters:

Measurement and display range	0-999M/Min	installation	vertical / suspended / embedded
Input signal frequency	<300HZ	detection stick perimeter setting	0-999MM
Communication interface	RS485(MODBUS RTU)	power input	AC100-220V/DC12V

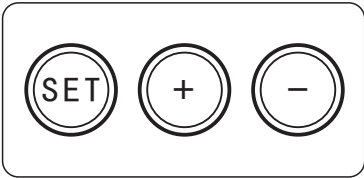
Three. Installation and dimensions



Four, Parameter settings:

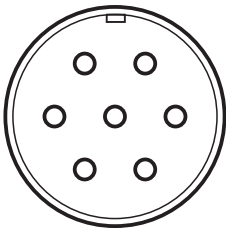
There are three keys on the side of the display table to set parameters.
Holding down the "SET" key for more than 3 seconds will enter the parameter setting, when the parameter number "P01" is displayed on the display screen, press the "+" or "-" button to select the parameter number, continue pressing the "SET" key to change the data under the current parameter number, wait 10 seconds after the setting is completed, and the display table will automatically exit the setting state.

Parameter number	Function
P01	Communication address: the station number of the display table in the 485 bus
P02	Baud rate: 0: 4800, 1: 9600, 2: 19200, 3: 38400, 4: 57600
P03	Communication data format: default is 8N1 and cannot be changed
P04	Detect the perimeter of the stick (unit: MM.) Equal to 0: 00 the circumference is 1 meter by default.



The settings button of controller

Five, Wiring diagram:



- 1、 positive power supply
- 2、 negative power supply
- 3、 positive power of Hall switch
- 4、 signal of Hall switch
- 5、 negative power of Hall switch
- 6、 485 communication A
- 7、 485 communication B

Six, Example of MODBUS communication data format(slave mode):

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6-1、 The host sends a read command to get the value of the line speed:
send: 01 03 0000 0001 840A
      stop read Storage The number of CRC16
      number command header address read data
return: 01 03 02 XXXX XXXX
       stop read Return the 2 bytes of data CRC16
       number command number of data

6-2、 The host sends a write command to change the value of the line speed:
send: 01 06 0000 XXXX XXXX
      stop write Storage Data to be written CRC16
      number command header address
return: 01 06 0000 XXXX XXXX
       stop write Storage Return written data CRC16
       number command header address
```