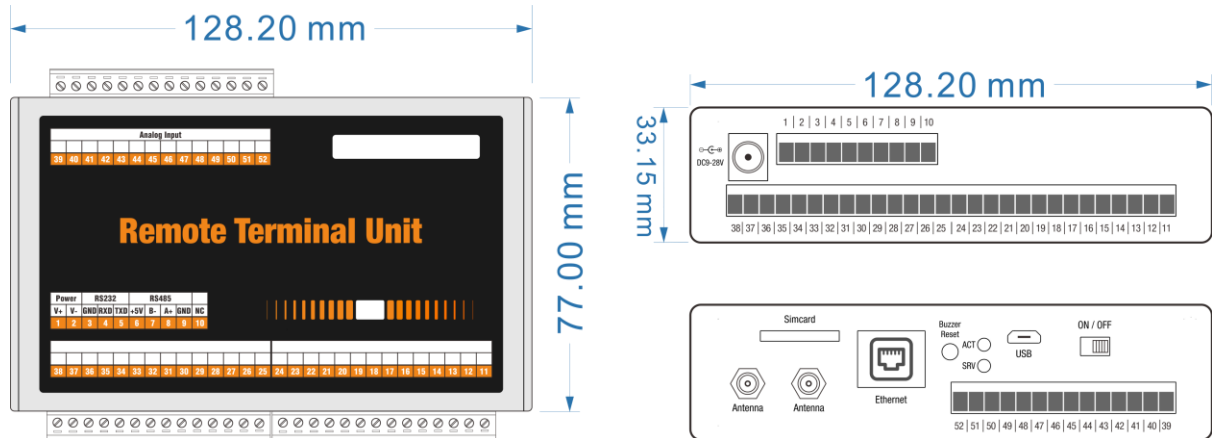
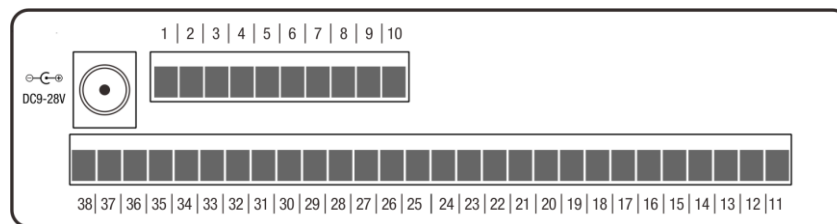


# CWT7100 Hardware Installation Manual

## 1 SIZE



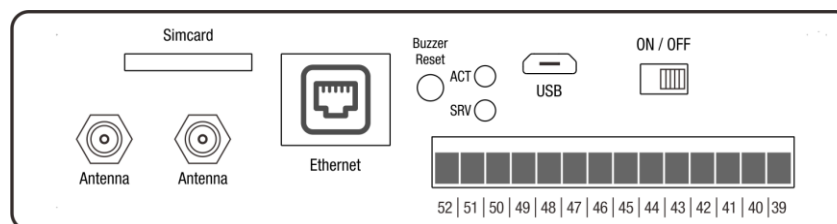
## 2 HARDWARE DESCRIPTION



### 2.1 DC power in

Jack of power adapter (DC9-28V)

Jack specification: 5.5\*2.5mm (5.5mm inside diameter, 2.5mm central pin)



### 2.2 USB Port

Connect PC for configuration

### 2.3 Antenna

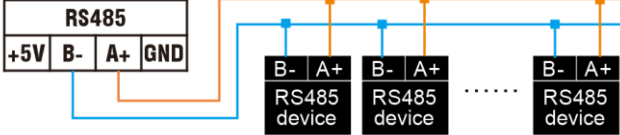
Standard SMA female interface (50Ω)

### 2.4 Buzzer Reset button

Press to clear the alarm sound when the buzzer sound

## 2.5 Wiring instruction of terminals

Power		RS232			RS485					
V+	V-	GND	RXD	TXD	+5V	B-	A+	GND	-	
1	2	3	4	5	6	7	8	9	10	

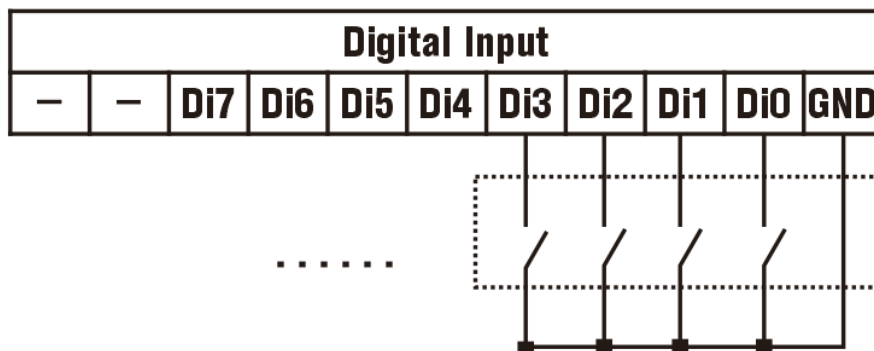
Terminals		Description
Power	V+	1. If DC 9-28V power input here, don't need to plug power adapter. 2. If power adapter is plugged, here V+ and V- can be power output
	V-	
RS232	GND	Modbus communication port, connect slave
	RXD	
	TXD	
RS485	+5V	+5V and GND output 5V for external device
	B-	Modbus communication port, connect slave 
	A+	
	GND	+5V and GND output 5V for external device

Power out		
GND	+5V	+Vo
13	12	11

+Vo and GND output voltage = power input voltage  
 +5V and GND output DC5V for external device

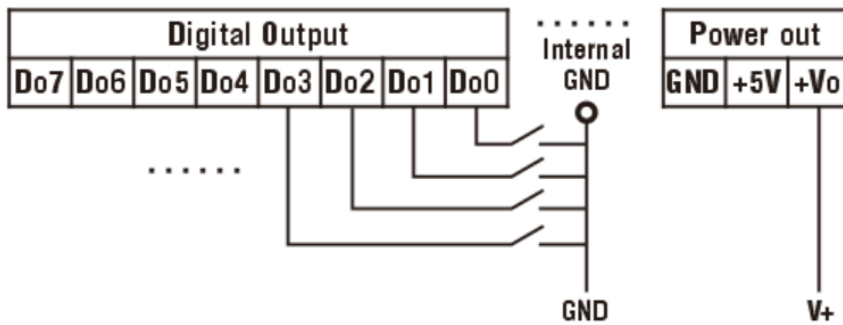
### Digital input:

triggered by dry contact



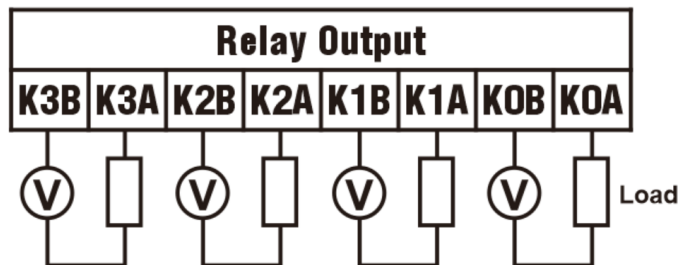
### Digital output (transistor output):

Output drive voltage=power in DC voltage, drive current  $\leq 500\text{mA}$



### Digital output (Relay output):

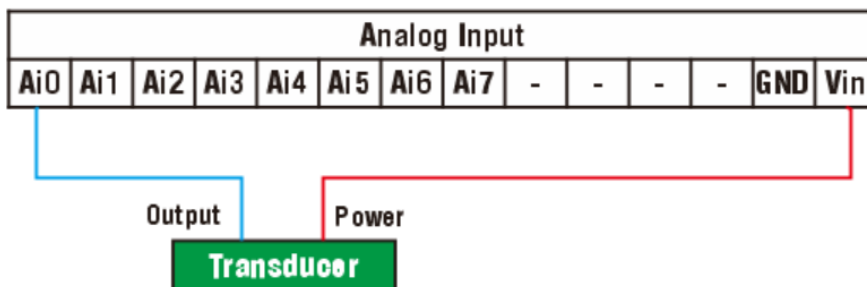
Normal open, contact load : 5A / 220VAC, 30VDC)



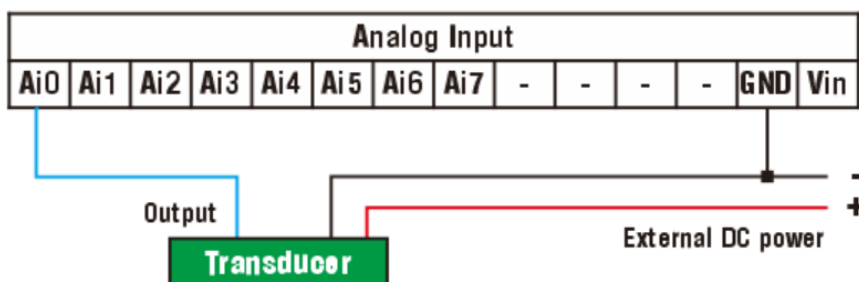
### Analog Input

Input type: 4 ~ 20mA <default>

Two-wire connection (transducer and RTU use same power supply)



Three-wire connection (transducers use independent power supply, the negative must connect with GND of RTU)



## Temperature Input (Ti)

Input type: DS18B20

Temperature measure range: -55°C to +125°C

Error range:  $\pm 0.2^{\circ}\text{C}$

