

» CWT5018 TELEMETRY RTU

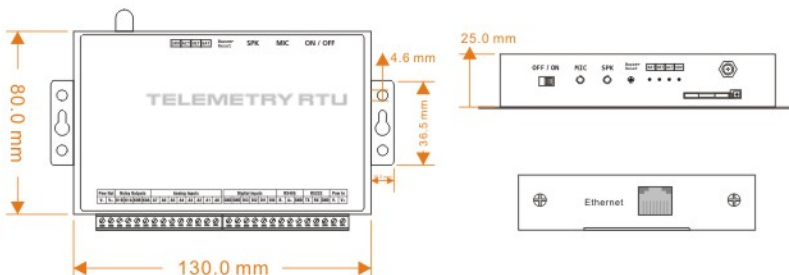
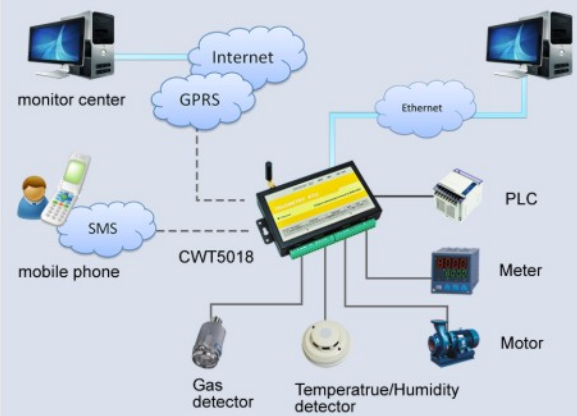


4 digital inputs & 2 digital outputs
8 analog inputs
Modbus over Rs485
Transmit data via Ethernet & GPRS
Support sms alarm

■ Specifications

DC Power supply	12-24V DC (Standard adapter: DC 12V/1.5A)
Power consumption	12V input Max. 150mA/Average 50mA
GSM frequency	Quad-frequency 900/1800/850/1900MHz
Antenna connector	50 Ω SMA connector
Electrical isolation	ESD protection for data lines to IEC 61000-4-2 (ESD) ±15KV (air), ±8KV (contact) IEC 61000-4-4 (EFT) 40A (5/50ns)
Communication interface	1 RS-232C & 1 RS-485 & 1 Ethernet
Digital input	4 Digital inputs (dry contact)
Analog input	8 Analog inputs (4~20mA or 0~5V)
Output	2 relay outputs (220Vac, 3A)
Working temperature	-30°C ~ +70°C
Working humidity	Relative humidity 95%
Audio interface	3.5mm audio in and audio out
Exterior dimension	130×80×25mm
Weight	370G

■ Applications



Pow Out	Relay Outputs	Analog Inputs	Digital Inputs	RS485	RS232	Pow In
V-	K1B, K1A, K0B, K0A	A7, A6, A5, A4, A3, A2, A1, A0	GND, GND, DI3, DI2, DI1, DI0	B-, A+, GND, TX, RX, GND	V-, V+	

■ Interface features

➤ Digital input features

- Accept NO or NC contact
- Can set open alarm or close alarm
- Configurable alarm ensure time
- Configurable alarm delay time
- Support pulse count

➤ Output features

- Configurable automation modes
- Remote On/Off/Pulse outputs
- Configurable pulse time
- Remote query outputs status
- Can be activated by alarm events
- Outputs can be activated on schedule

➤ AI features

- Configurable normal range for every AI
- Remote alarm when AI out of normal range
- Configurable alarm delay time
- Configurable offset and gain
- Remote query every AI

➤ Modbus features

- Polling modbus slave via Modbus RTU protocol and Monitor 32 registers on Rs485
- Remote alarm when coil registers are triggered
- Configurable normal range for registers
- Read or write any register via commands

➤ Advance features

- Adopted highly integrated industrial CPU
- Reliable performance with built-in double watchdog
- Low maintenance, 24×7 operation
- Internal battery and providing power cut off alarm
- Easy used GUI configure software to setup

➤ SMS operation features

- Preset 10 phone numbers(can be distributed authority)
- Support remote setting via sms commands
- Send sms alarm when input is triggered or analog out of preset range
- Can set receivers for every DI and AI
- Configurable alarm or recover sms text
- Time stamped in alarm or recover messages
- Send sms commands On/Off/Pulse outputs
- Query inputs and outputs status via sms commands
- SMS report status on schedule(day/minute/second)
- Query analog current value via sms commands
- Support custom sms commands

➤ Data transfer features

- Support connects 4 servers, the servers must connect internet and have static public IP address or Dynamic Domain name
- Provide free TCP server program to receive and store data into database
- By Ethernet or GPRS (if installed GSM module)
- Support TCP/UDP transport protocols
- Support upload data via HTTP post
- Support modbus TCP protocol and CWT_IO protocol
- Most of the functionality and data format are same as CWT5111 and CWT5002