

T20

Wireless
Temperature
Humidity
Data Logger



Temperature/Humidity Monitoring FOR COLD CHAIN SECURITY



REFRIGERATOR
FREEZER

REFRIGERATED
VEHICLES

FOOD PROCESSING

FOOD STORAGE

PHARMACY
STORAGE

- OLED DISPLAY**
TEMPERATURE AND HUMIDITY
- TOUCH KEY**
SWITCH DATA DISPLAY
- LED ALARM LIGHT**
HIGH-BRIGHTNESS RED LIGHT
- METAL AVIATION PLUG**
FOR TEMPERATURE PROBE
- INPUT AND RELAY OUTPUT TERMINALS**
- USB PORT FOR CONNECTING PC SUITE**
- POWER ADAPTER CONNECTOR**

DATA LOGGER

- ▶ An inside temperature and humidity sensor
- ▶ An external temperature probe
- ▶ 4000 temperature records with auto rollover
- ▶ Flexible data logging interval (1 minute up to 24 hours)
- ▶ PC software export records

SMS OPERATION

- ▶ Present 10 authorized phone numbers
- ▶ SMS alarm when temp or humi out of normal range
- ▶ Control relay by SMS
- ▶ Query content value by SMS
- ▶ Send value by schedule
- ▶ Configurable alarm/recover SMS

GPRS COMMUNICATION

- ▶ TCP/IP connect 4 internet servers IP or domain
- ▶ Http post, Cvt. ID protocol, modbus tcp
- ▶ Realtime logging upload data

Wi-Fi ACCESS

- ▶ Realtime logging upload data
- ▶ View data on APP
- ▶ Control relay on APP

THERMOSTAT

- ▶ Inside 3 relays
- ▶ Temp and humi alarm/ultra high/low interlock
- ▶ Programmable timer relay action

SIMCARD SOCKET

INSIDE TEMPERATURE AND HUMIDITY SENSOR

Power supply	12V DC (Standard adapter: DC 12V/1.5A)	Display	OLED
Consumption	12V input Max. 340mA	Key	Touch
Temperature Measurement range	-40°C to +80°C (± 0.3°C)	Digital input	2 channel
Humidity Measurement range	0% to 100%RH (± 2RH%)	Output	3 relay output (NO) , DC220V 2A/ AC 125V 2A
Probe	Max.2 (standard packing: 1 probe) Option: temperature or temperature & humidity probe	Alarm light	Red LED light
Wi-Fi	802.11 b/g security WEP/WPA/WPA2	Alarm sound	Inside buzzer , Loudness : 85dB
Cellular	2G, quad-band 850/900/1800/1900Mhz	Config port	Mini USB , (windows)
GSM antenna	Standard SMA female interface (50Ω)	Battery	lithium-polymer, 500mAh/3.7V , life:6 hours
Working temperature	-30°C~+70°C	GPS module	Optional
Working humidity	Relative humidity 95%	Dimension	130×130×20mm
MCU	Cortex M3 32-bit ARM	Weight	265g
		Housing	Aluminum front panel , back case ABS

