

# ETCR<sup>®</sup> EM8700 Power Failure/Leakage Current Remote Alarm Monitor



## Product Function

Remote online current/leakage current monitoring, leakage alarm, power failure alarm, normal power supply indication; Remote monitoring and alarm of other sensors and equipment; It can also be used as a circuit burglar alarm.

## Product Features

1. With two communication mode, GSM wireless communication mode, RS485 wire communication mode,
2. The current sensor adopts magnetic shielding and CT digital integration technology with strong anti-interference, high accuracy and stable testing.

## Technical Specification

Model	EM8700
Channel	1 channel current, 1 channel power, 3 channel extended input signal (DC 0~9V analog voltage), 3 channel extended output control signal (on/off: DC12V/0V), single channel max load 500mA, 3 channel output total load max 18W
Power Supply	Power supply by external power adaptor: AC110V~240V change to DC12V/2A
Built-in Battery	Rechargeable lithium battery: 3.7V, 3000mAh, repeat charge around 1000 times, full battery can continues working 24 hours
CT Caliber	Φ40mm (optional with Φ10mm, Φ25mm, Φ80mm)
Current Range	0.00mA~60.0A AC (The range can be customized according to the demand 0~1000A)
Current Resolution	Min 0.01mA AC
Current Accuracy	±2%rdg±5dgt
Current Shift	Automatically
Inspection Speed	About 1 times/second
Communication Mode	GPRS, RS485
SIM Card Type	3G, 4G
Antenna	50Ω SMA antenna
Host Dimension	100mmX73mmX35mm
CT Size	95mmX88mmX31mm
CT Lead Cable	Cable length:1M, interface: Φ3.5mm audio plug
Weight	Total weight: 0.64kg (include accessories)
Installation	Guide fixed or screw fixed and installation; guide width: 35mm, screw fixed hole: Φ3.5mm
RS485 Interface	3.5mm-3P plug terminal
Extend Interface	3.5mm-12P plug terminal
Extend Input	IN1~IN3: allow DC0~9V analog voltage input
Extend Output	Output voltage DC12V (open), or low voltage 0V (close)
Leakage Current Alarm	When the current or leakage current of the monitored point exceeds the set alarm critical value, the monitoring point host sends leakage alarm information to the server.
LCD	Display current or leakage current value
CHARGE Light	Charge indication light, In charging, the charger indicator lamp light on red, full charge light on green
POWER OFF ALARM Light	Working indication light, flashes in normal working

<b>NET Light</b>	GPRS net indication light, GPRS module initialization does not light, GPRS module normal work will light all the time, receiving and sending will flashing 2 seconds
<b>Insulation Strength</b>	AC 2KV/rms (between shell and the screw)
<b>Accessories</b>	Host: 1PCS; CT sensor: 1PCS; Power adaptor 12V/2A: 1PCS; GSM antenna: 1PCS