eldes ®

Battery powered GSM intrusion control panel ESIM4

Perfect for those places where power is an issue

Battery powered: up to 2 years of battery time

Standalone alarm panel with ARM/DISARM function

10 phone users

Supports 8 digital temperature sensors

Certifications

CE 1383

What is ESIM4?

IP65, battery powered standalone GSM intrusion alarm panel. The device is fully autonomous and does not require any additional power sources.

How ESIM4 works?

ESIM4 is a talented sleeper. This is to save power. However, ESIM4 will wake up in the following cases: scheduled event, vibration/motion sensed, state changes, to get your command or new configuration.

Its intelligent power saving techniques extends battery lifetime – it should last approximately 2 years, depending on usage. Also ESIM4 can check inputs, status, feed auxiliary terminal, in case your sensors need power, measure sensor data and will call/text up to 10 users. ESIM4 is able to gather temperature from up to 8 temperature sensors and has microphone connector in case client needs audio confirmation.

Where to use ESIM4?

Intrusion alarm panel	Solar, wind energy plants	Remote construction sites, garages, containers	Sensor data monitoring at remote areas	Temperature/status monitoring	Standalone stealth alarm solutions

Main features

10 users	2 years of battery time
2 inputs (4 in ATZ mode)	1 open collector 200mA 30V output
1 aux terminal (12V, 200mA)	Connect Analog sensors (4..24mA)
Connect Discrete sensors (0..3V)	Configuration SMS or USB
Arm/Disarm via Touch Memory interface/SMS	

Specifications

Battery type	1.5 V Lithium AA type batteries
Number of batteries	4
Current used in Sleep mode	30µAmax
GSM modem frequency	ESIM4 - 900/1800 Mhz; ESIM4 Q - 850/900/1800/1900 MHz
Number of inputs	2
Digital input value range	0... 3000mV
Analog input value range	0... 24mA
Impulse duration	>600ms
Number of auxiliary terminals	1
Auxiliary output values	12V 200mA max
Maximum supported number of temperature sensors	8
Number of outputs	1
Output circuit Open collector output. Output is pulled to COM when enabled.	1 R OUT
Output current	200mA max
Supported temperature sensor model	Maxim®/Dallas® DS18S20, DS18B20
Supported iButton key model	Maxim®/Dallas® DS1990A
Dimensions	115×90×56mm (4.53×3.54×2.20in)
Enclosure rating	IP 65
Operating temperature range	-20...+50°C (-30...+55°C with limitations (-4...+122°F (-22... +131°F with limitations))
Humidity	0-90% RH @ 0...+40°C (0-90% RH @ +32...+104°F) (non-condensing)

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