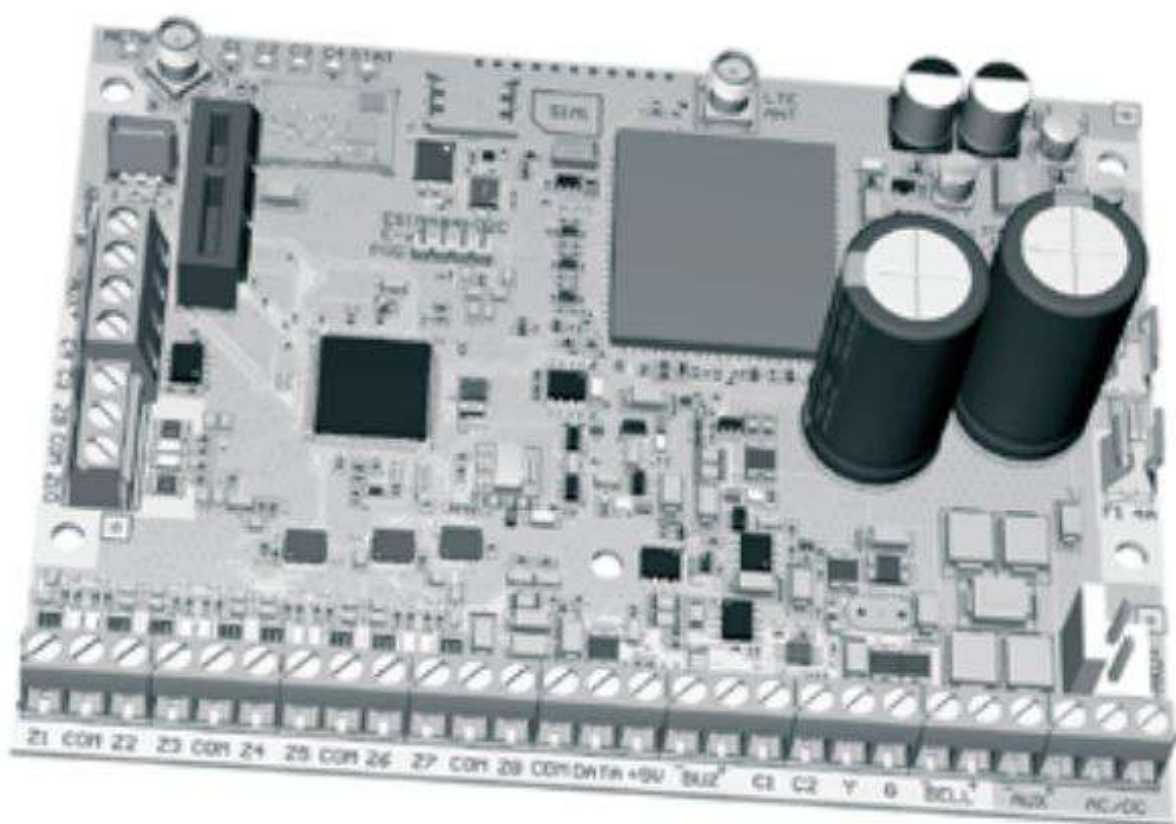




eldes®

ESIM484

2G/4G ALARM AND MANAGEMENT SYSTEM

INSTALLATION MANUAL

2. TECHNICAL SPECIFICATIONS

2.1. Electrical and Mechanical Characteristics

Electrical and Mechanical Characteristics	
Power supply	16-24V 50/60 Hz ~1.5A max / 18-24V  1.5A max
Current consumption in idle state w/o external devices connected	Up to 80mA
Recommended backup battery voltage, capacity	12V; 1,3-7Ah
Recommended backup battery type	Lead-Acid
Backup battery charge current	Up to 500mA
Backup battery charge duration	Up to 30 hours for 7Ah battery
2G/4G modem frequency	2G 900/1800MHz; 4G 700/800/900/1800/2100/2600MHz
Modem RF power	2G 35/32dBm; 4G 25dBm
Cable type for 2G/4G antenna connection	Shielded
Number of zones on-board	10 (ATZ mode: 20)
Nominal zone resistance	5,6kΩ (ATZ Mode: 5,6kΩ and 3,3kΩ)
Number of PGM outputs on-board	4
On-board PGM output circuit	 Open collector output. Output is pulled to COM when turned ON.
Maximum commuting on-board PGM output values (combined)	4 x 30V; 500mA
BELL: Siren output when activated	Connected to COM
BELL: Maximum siren output current	1A
BELL: Maximum cable length for siren connection	Up to 100m (328.08ft)
BELL: Cable type for siren connection	Unshielded
AUX: Auxiliary equipment power supply voltage	13,8V DC
AUX: Maximum accumulative current of auxiliary equipment	2.0A
AUX: Maximum cable length for auxiliary equipment connection	Up to 100m (328.08ft)
AUX: Cable type for auxiliary equipment connection	Unshielded
BUZ: Maximum current of mini buzzer	150mA
BUZ: Power supply voltage of buzzer	12V DC
BUZ: Cable type for mini buzzer connection	Unshielded
Supported temperature sensor model	Maxim®/Dallas® DS18S20, DS18B20
Maximum supported number of temperature sensors	8
DATA: Maximum cable length for 1-Wire communication	Up to 30m (98.43ft)
DATA: Cable type for 1-Wire communication	Unshielded
Supported iButton key model	Maxim®/Dallas® DS1990A
Maximum supported number of iButton keys	16
Maximum supported number of keypads	4 x EKB2 / EKB3
Y/G: Maximum cable length for RS485 communication	Up to 100m (328.08ft)
Y/G: Cable type for RS485 communication	Unshielded
Wireless band	ISM868
Wireless communication range	Up to 3000m (9842.6ft) in open areas
Maximum supported number of wireless devices	64
Event log size	1024 events
Maximum supported number of zones	144
Maximum supported number of PGM outputs	48
Cable type for zone and PGM output connection	Unshielded
Communications	SMS, Voice calls, 2G/4G network, Ethernet via ELAN3-ALARM
Supported protocols	Ademco Contact ID, EGR100, Kronos, SMS, SIA IP
Dimensions	140x100x18mm (5.51x3.94x0.71in)
Operating temperature range	-20...+55°C (-4...+131°F)
Humidity	0-90% RH @ 0...+40°C (0-90% RH @ +32...+104°F) (non-condensing)