

EazyProtek - EP Pro- 24 Zone ESS Panel



- 24 zones panel
- Built-in real-time clock (RTC)
- Supports daily, weekly, holiday, and astronomical schedules
- Status indication through LED indicators
- Remote configuration and monitoring via cloud platform
- Remote firmware update support

Technical Specifications

	Parameters	Specifications
Electrical Parameter	Supply Voltage	150 - 265 VAC, 50-60 Hz
	Power Consumption (Max)	15 VA
	Operating Temperature	0°C to + 55°C
	Storage Temperature	-20°C to + 70°C
	Output Relay	-7 Normally Open (NO) & 5 (NO/NC) -10A Contact Rating @250VAC -Electrical Life: 1 x 10 ⁵ , Mechanical Life: 1 x 10 ⁷
	Inputs*	1 Temperature Sensor, 1 Analog input for smoke sensor
	Protection	Overload, Short Circuit and Battery Terminal Shorting Protection
	Isolation	1.5 KV DC Isolated Analog and Digital Circuit
	Surge Protection	4 KV
	Battery Backup	2 x 7 AH rechargeable battery
IoT Connectivity	Connectivity	Ethernet
	Protocol	TCP/IP
	Software App	UtopiaTech IoT Platform (Web Application)
	Offline Syncing	Yes (up to 1000 metering data records, 1400 event records and 1500 alarm event records)
	Data Security	AES-128 Encryption
	Firmware Update	Provision for Over the Air Firmware Update
	Expansion*	Provision for RS485 for touch keypad connectivity
Application	Output Relay Operating Modes	-Fixed: Preconfigured ON-Off time -Astronomical: ON-OFF time as per Sunset -Sunrise with offset -Hybrid: ON by Astronomical mode & OFF by Fixed mode -Interval: 24 ON-OFF cycles -Instant: Immediate ON and OFF
	Programming Weekly Off	Yes
	Programmable Holidays	20
	Reset relays	DVR, Router, Hooter and ATM reset control
	Manual Switch	Two switches for panel reset
	Temperature Scheduling	Yes*
	Display	16 X 2 LCD display
	RTC Backup	5 years
LED Indication	Power LED, Network LED, Device Status LED	
Mechanical	Dimension (W x H x D)	440 X 440 X 140 mm
	Mounting	Wall mounting
	Weight	15 Kg
	Ventilation	2 Fans
	Remote Firmware Update	Supported

Firmware and Maintenance	Configuration Method	Cloud-based (EazyIoT Platform)
Indicator / Control		
Indicators and Controls	Power LED	Indicates power status
	Network LED	Indicates network connectivity
	Server LED	Indicates server communication
	State LED	Indicates relay status
	SW Button	Manual control / override
Accessory		
Accessories	Zone protection cards	Expandable up to 24 zones
	Energy measurement board	All above mentioned metering data measurement circuit with isolation and surge protection, protective acrylic cover
	Keypad	RS485 based numeric touch keypad with display for backroom door access
Model		
Ordering Information	EazyProtek -EP- 24 Zone ESS Panel	
Certification		
Certifications and Compliance	Conducted Susceptibility Test	IEC 61000-4-6: 2013
	Electrical Fast Transient (EFT) /Burst Immunity Test	IEC 61000-4-4: 2012
	Electrostatic Discharge Immunity (ESD) Test	IEC 61000-4-2: 2008
	Voltage dips and short interruption Test	IEC 61000-4-11:2020