



Protection Technologies

PRODUCT CATALOGUE

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since 1990

EDS Elektronik Destek Sanayi ve Ticaret Ltd. Sti. founded in February 1990 to provide manufacturing and engineering services to companies in the field of electronics. EDS product line consists of CCTV Systems, Control Systems, Fire Detection Systems, Intrusion Detection Systems, Access Control Systems, Automation Systems, Environmental Monitoring Systems, and Power Electronics. In these activity fields, it is engaged in R&D, Production, Import, Export, Distribution, Sales, Marketing, After-Sales and Technical Services. Having developed various projects, EDS entered into security industry in 1991 and started working as Anatolian Side Subcontractor for Aselsan. EDS have provided security services to more than 1000 facilities such as banks, jewelry stores, and exchange offices and much more.

EDS manufactured its first alarm panel in 1992. Within the same year, EDS started to design control panels used in the central alarm system of Aselsan. At the same year, EDS started to export alarm panels and distribute products to the Turkish market.

As a 100% domestic company, EDS exports to more than 35 countries with a history of 30 years; nearly 60 employees, more than 10 engineers, and a modern production facility established on an area of 5000 m² in İstanbul. EDS transforms the experience it obtained through years into investment and innovation within the company. EDS owns many patents and fosters innovation and originality within the company.

EDS products are used in many industries and included in many projects. EDS provides impressive and economical solutions to small-scale enterprises to large-scale enterprises like banks, airports, military, private institutions/enterprises, telecommunication, transportation, medical, etc.

Our Mission

A secure life is the greatest, irreplaceable need for humans. Our company produces in national and international standards with providing high quality and affordable security electronics products that everyone desires for a safe life.

Our Vision

To be an innovative, rational, leading organisation that produces technology in Turkey and in the world in the Electronic Security Sector.

Memberships



Certifications



Brands



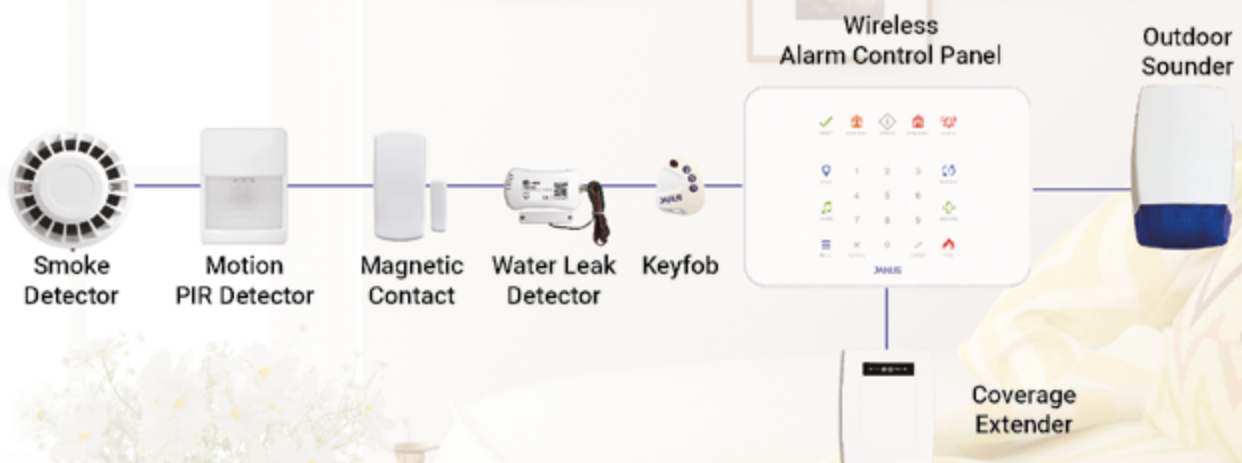
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Janus

Intrusion Detection Systems

Janus Intrusion Alarm System
Designed for Your Property Protection and Safety!



Complete Solution
Developed against
Burglary, Fire and
Flooding



Wireless Technology
Eliminates Cabling
and Decoration
Damage



Remote Access
Remote Monitoring
and Management;
Instant notification to
phone



Quick and Easy Installation
Quick and Easy Setup
with Voice Guidance
and Automatic
Recognition

ALARM CONTROL PANEL



Wireless Alarm Control Panel

EWPL

IP connection
32 zones / 32 detector
Auto-Learn mode
Back-up battery
Voice-guided user interface
Web Interface
Android and iOS Mobile App
868MHz / WiFi 802.11n/g
Alarm monitoring center connection
SIA contact ID protocol
Complies with EN50131 Grade 2



Wireless Alarm Control Panel 4G

EWPG

IP & 4G connection
32 zones / 32 detector
Auto-Learn mode
Back-up battery
Voice-guided user interface
Web Interface
Android and iOS Mobile App
868MHz / WiFi 802.11n/g
Alarm monitoring center connection
SIA contact ID protocol
Complies with EN50131 Grade 2

DETECTORS



Wireless Motion Detector

EWPL

868MHz frequency
More than 3 years battery life
Wall and cover tamper
Complies with EN50131 grade 2



Wireless Magnetic Contact

EWM

868MHz frequency
More than 3 years battery life
Wall and cover tamper
Complies with EN50131 grade 2



Wireless Outdoor Sounder

EWS

868MHz frequency
More than 3 years battery life
Running LED display/LED flasher
Piezo buzzer/106dB
Tamper protection
5-15min adjustable warning time
Complies with EN50131 grade 2



Wireless Keyfob

EWR

868MHz frequency
More than 2 years battery life
Battery powered
Away/Stay/Disarm button



Wireless Water-Leakage Detector

EWL

868MHz frequency
More than 3 years battery life
Battery powered
Complies with EN50131 grade 2



Wireless Smoke Detector

EWSD

868MHz frequency
More than 3 years battery life
Battery powered
Complies with EN50131 grade 2

MODULES



Wireless Zone Expansion Module

EWZ

Integration of wired devices
into wireless network
4 zones
1 sounder output
1 programmable output
12V power output
Communication, intrusion status
Error monitoring



Wireless Zone Repeater Module

EWRP

30 wireless device connections
Tamper protection against cover opening
LED warning indicators
7.2 V 300 mA internal backup battery
Low battery warning on panel
9V DC power supply



Communication Listener

EWSNF

Monitoring signal levels of detectors
during installation
Works with PC software
USB connection
Warning LED

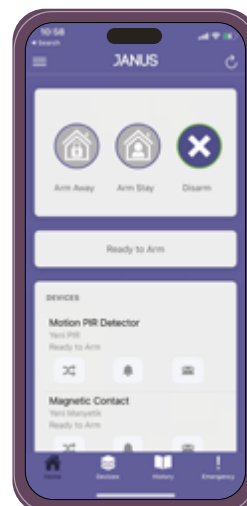


32 Zone

Battery

Wi-Fi

App



OUTDOOR SOUNDERS



Outdoor Sounder

AS240

Running LED display
LED flasher
Piezo buzzer/102-108dB
Tamper Protection
Lens color Red/ Blue/ Orange
Operates with Back-up battery



Outdoor Sounder

AS250

Running LED display
LED flasher
Piezo buzzer/102-108dB
Tamper Protection
Lens color Red/ Blue/ Orange
4 Different audio options
Operates with Back-up battery or
Accumulator



Outdoor Sounder

AS260

Running LED display
Piezo buzzer/102-108dB
Tamper Protection
Lens color Red/ Blue/ Orange
Operates with Back-up battery



Outdoor Sounder

AS282

Running LED display
LED flasher
Piezo buzzer/102-108dB
Tamper Protection
Lens color Red/ Blue/ Orange
Operates with Back-up battery



Outdoor Sounder

AS290

Running LED display
LED flasher
Piezo buzzer / 102-108 dB
Tamper Protection
Lens color Red/ Blue/ Orange
Operates with Back-up battery



Outdoor Sounder

AS495

Running LED display
Power LED flasher
Horn type speaker/110dB
Tamper Protection
Lens Color Red/ Blue/ Orange
Inner accumulator cabin



Outdoor Sounder

AS495VKH

Power LED flasher
Horn type speaker / 110dB
Tamper Protection
Tamper Proof
Foam / Shock / Drill protection
Inner accumulator cabin



Outdoor Sounder

AS495VKHT

Power LED flasher
Horn type speaker / 110dB
Tamper Protection
Tamper proof
Foam / Shock / Drill protection
Vibration & Mechanical impact sensor
Inner accumulator cabin

WIRELESS OUTDOOR SOUNDERS



Wireless Outdoor Sounder

AS240RF

Works with AS240TR
Running LED display
LED flasher
Piezo buzzer/102-108dB
Tamper Protection
Frequency 433MHz
Lens Color Red/ Blue/ Orange
Operates with Back-up battery or
Accumulator



Transmitter Alarm Module

AS240TR

Works with AS240RF
Frequency 433MHz
4 AS240RF can be added
Test and addressing button
Display on card
Fault indicator for
Sounder/Tamper/Low-battery

INDOOR SOUNDERS



Indoor Sounder

IS210

100dB
LED indicator
Tamper protection



Indoor Sounder

IS211

100dB
3 LED indicator
Tamper protection

DUMMY SOUNDERS



Dummy Sounder

AS204/208/209

Lens color Red/ Blue/ Orange
Without piezo



Dummy Sounder

AS204/208/209-SF 220

Running LED display
Lens color Red/ Blue/ Orange
Without piezo
220V connection



Dummy Sounder

AS204/208/209-SFP

Running LED display
Lens color Red/ Blue/ Orange
Without piezo
Back-up battery (12V)

DETECTORS



Wired Motion Zilog PIR Detector

EZP

Anti-Mask demonstration detection
Selectable NORMAL and PULSE modes
12/30 Kg selectable pet immunity
Power supply supervisory
Complies with EN50131 grade 3



EN54-7

Optical Smoke Detector

OD12R

360° double LED indicator
Live indicator LED
Optical detection
Smart algorithm
Impurity compensation
Locked or auto reset selectable
Cleanable optical cell
Relay output



Optical Smoke Detector

OD912

360° double LED indicator
Live indicator LED
Optical detection
5 pin
Automatic reset
Cleanable optical cell
Relay output



Heat Detector

ID112

360° double LED indicator
NTC heat sensor
5 pin
Automatic reset
Relay output



Multi Heat Detector

AID12

4 channel
Indoor
For ATM applications
NTC
Relay output



Carbon Monoxide Detector

CD310

Piezo buzzer / 85dB
Semiconductor sensor
4 alarm levels
3 LED indicator
50m² protection area
Supply voltage range/10-15V DC



Carbon Monoxide Detector

CD330 / CD330R

Piezo buzzer / 85dB
Semiconductor sensor
4 alarm levels
3 LED indicator
50m² protection area
Supply voltage range/20V AC \pm %10



Natural Gas Detector

GZD01

Piezo buzzer / 85dB
IPX2D
50m² protection area
Relay output / 2A@30V DC / 0.5A@125V AC
Supply voltage range / 10 - 15V DC



Natural Gas Detector

GZD03

Piezo buzzer / 85dB
IPX2D
50m² protection area
Relay output / 125 V AC 0.6/30V DC, 2A
Supply voltage range / 220V AC \pm %10



Natural Gas Detector

GZD04

Piezo buzzer / 85dB
IPX2D
50m² protection area
Relay output / 250V AC 0.3A / 30V DC 2A
Supply voltage range / 220V AC \pm %10



Natural Gas Detector

GZD05

Piezo buzzer / 85dB
IPX2D
50m² protection area
Relay output / 2A@24V DC / 1A@120V AC
Supply voltage range / 12 - 24V DC



Natural Gas Detector

GZD06

Piezo buzzer / 85dB
IPX2D
50m² protection area
Relay output / 2A@24V DC / 1A@120V AC
Supply voltage range / 12 - 24V DC
Internal alarm resistor (510 Ω)



Water-Leakage Detector

HD212

Piezo buzzer / 85 dB
4 sensors connection used with cable type (KT)
under carpet (HA) and
surface mount sensor (YM)
12V DC



Infrared Detector

Penbar-50

Infrared beam receiver and transmitter
2 IR LED
Distance between columns 6m
Height of the columns 50cm



Infrared Detector

Penbar-100

Infrared beam receiver and transmitter
4 IR LED
Distance between columns 6m
Height of the columns 100cm

DETECTOR ACCESSORIES



Detector Base

ECDB

For 5 pin models
Mounting lock
Used with optical smoke and
heat detector



Detector Deep Base

ECDB-D

For 5/3 pin models
Used with optical smoke and
heat detector



Parallel LED Warning

EPA25

Connected to the detectors LED output
Compatible with EDS detectors
Used with optical smoke and
heat detector



Parallel LED Warning

FLL12

Color option Red or Yellow
Used with optical smoke and
heat detector



Cable Type Water-Leakage Sensor

KT

Used with HD212
Water-Leakage detector



Surface Mount Moisture Sensor

YM

Used with HD212
Water-Leakage detector



Under Carpet Moisture Sensor

HA

Used with HD212
Water-Leakage detector

EXIT BUTTONS



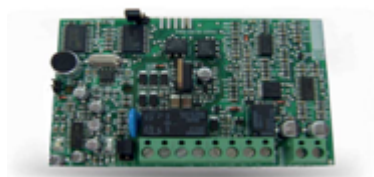
Exit Button

ACB

Stylish design
Contact COM/NO/NC

INTRUSION DETECTION SYSTEMS

TELEPHONE DIALERS



Telephone Dialer

SD830

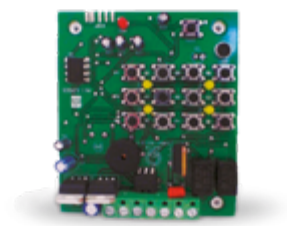
16 seconds audio record
Access to 6 telephone numbers
Power failure protection for records
Call time 70s
Card type
12V DC



Telephone Dialer

SD830K

16 seconds audio record
Access to 6 telephone numbers
Power failure protection for records
Call time 70s
ABS plastic box
12V DC



Telephone Dialer

SD800

16 seconds audio record
Access to 8 telephone numbers
Power failure protection for records
Call time 45s
Card type
12V DC



Telephone Dialer

SD800K

16 seconds audio record
Access to 8 telephone numbers
Power failure protection for records
Call time 45s
ABS plastic box
12V DC



Telephone Dialer

SD830-24

16 seconds audio record
Access to 6 telephone numbers
Power failure protection for records
Call time 70s
Card type
12V / 24V DC



Telephone Dialer

SD830K-24

16 seconds audio record
Access to 6 telephone numbers
Power failure protection for records
Call time 70s
ABS plastic box
12V / 24V DC

AUXILIARIES



Line Controller

HK1

Controls the line that it connected
Connected to central computers
and alarm panels
Relay output



Foot Button

AB1

Pressing the button in case of emergency
Surface mount
NC ignition output
Min. 50,000 operation
Steel body

INTELLIGENT ADDRESSABLE FIRE ALARM SYSTEM



Stay Safe, Stay Secure with Volcano



Advanced Detection

Precise and reliable
fire detection



Certification

International
Standards



Intelligent Addressability

Exact location
Identification of threats



Easy Installation & Maintenance

User-friendly
setup

FIRE ALARM PANELS



EN54-2
EN54-4

Addressable Fire Alarm Control Panel

EAFP01/EAFP02/EAFP04

7" LCD display with touch screen
Supports up to 4 loop, 50 zones
127 device connections per loop
Alarm and Fault Relay outputs



EN54-2
EN54-4

Fire Alarm Control Panel

EAFPL

4x20 LCD Display
Supports 1 loop, 32 zones
127 device connections per loop
Fire, Alarm and Fault Relay outputs

DETECTORS



EN54-7
EN54-17

Optical Smoke Detector

EAP

Alarm LED indicator
Sensor type IR
Test with magnet
Cleanable optical cell
Optical cell cleaning alert
Short circuit protection



EN54-5
EN54-17

Heat Detector

EAH

Alarm LED indicator
Sensor type NTC
Test with magnet
Resettable by the panel
Detector reverse polarity protection
Short circuit protection



EN54-11
EN54-17

Manual Call Point

EAB20R

Stylish design
IP24 / Indoor
Operating voltage range 20-29V DC
Short circuit protection



EN54-7

Optical Smoke Detector

EAPE

Alarm LED indicator
Sensor type IR
Test with magnet
Cleanable optical cell
Optical cell cleaning alert



EN54-5

Heat Detector

EAHE

Alarm LED indicator
Sensor type NTC
Test with magnet
Resettable by the panel
Detector reverse polarity protection



EN54-11

Manual Call Point

EAB20RE

Stylish design
IP24 / Indoor
Operating voltage range 20-29V DC

SOUNDERS



EN54-3
EN54-17

Outdoor Sounder

EASO

110-120dB
Piezo buzzer
Red LED indicator
Surface mount
IP33C protection
Short circuit protection



EN54-3
EN54-17

Outdoor Sounder

EASOE

110-120dB
Piezo buzzer
Red LED indicator
Surface mount
IP33C protection
Short circuit protection



EN54-3
EN54-17

Loop Sounder

EASL

65-85dB
Single Piezzo
Single LED indicator
Surface mount
IP21C protection
Short circuit protection



EN54-3

Loop Sounder

EASLE

65-85dB
Single Piezzo
Single LED indicator
Surface mount
IP21C protection



Addressable Flashing Siren

EASF

90-97 dB
Single Piezzo
Red LED indicator
IP42 protection
Short circuit protection



Addressable Flashing Siren

EASFE

90-97 dB
Single Piezzo
Red LED indicator
IP42 protection

INPUT / OUTPUT MODULES



EN54-18
EN54-17

Conventional Module 1 Zone

EAC1

1 Input connection
Supervised input
IP55 protection
Short circuit protection



EN54-18
EN54-17

Conventional Module 4 Zone

EAC4

4 Input connections
Supervised input
IP55 protection
Short circuit protection



EN54-18
EN54-17

Input Module 1 Input

EAI1

1 Input connection
Supervised input
IP55 protection
Short circuit protection



EN54-18
EN54-17

Input Output Module
1 Input 1 Output
EAI011

1 Input 1 output connections
Supervised input/output
IP55 protection
Short circuit protection



EN54-18
EN54-17

Relay Output Module
4 Outputs
EAR04

4 Output connections
Output type COM-NO-NC 2A@24VDC
IP55 protection
Short circuit protection



EN54-18

Conventional Module 1 Zone
EAC1E

1 Input connection
Supervised input
IP55 protection



EN54-18

Conventional Module 4 Zone
EAC4E

4 Input connections
Supervised input
IP55 protection



EN54-18

Input Module 1 Input
EAI1E

1 Input connection
Supervised input
IP55 protection



EN54-18

Input Output Module
1 Input 1 Output
EAI011E

1 Input 1 output connections
Supervised input/output
IP55 protection



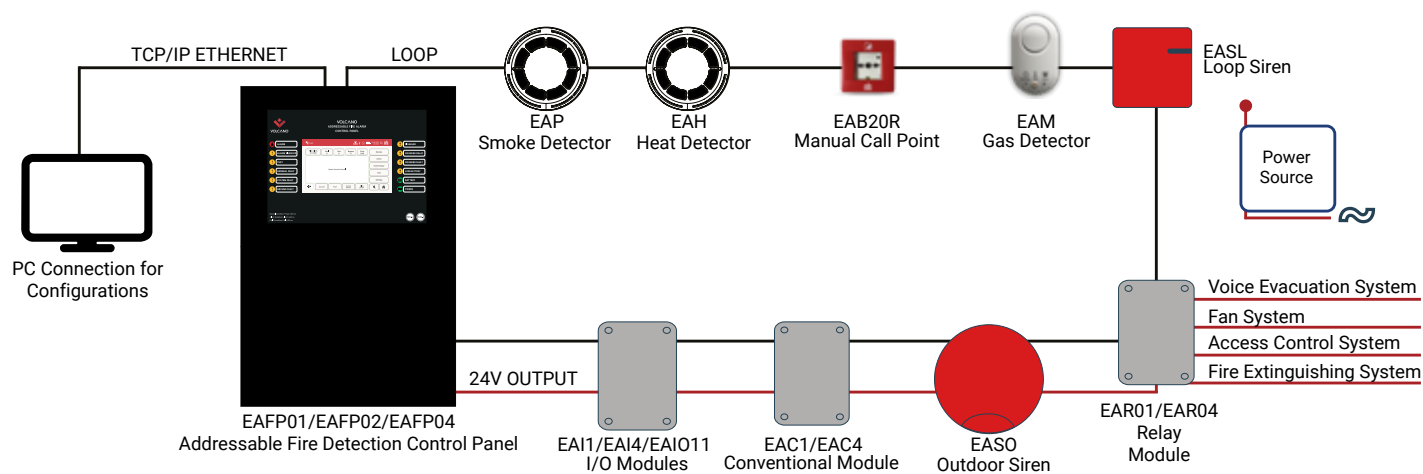
EN54-18

Relay Output Module
4 Outputs
EAR04E

4 Output connections
Output type COM-NO-NC 2A@24VDC
IP55 protection

INTELLIGENT ADDRESSABLE FIRE ALARM SYSTEM

CONNECTION



APPLICATION AREAS



Residence



Shopping Centers



Hotels



Industrial Facilities



Airports

EDS FIRE ALARM SYSTEMS

With 2-4-8-12-16 zone and metal/plastic housing options offers a wide range of products



Correct Solution

Panels, Detectors,
Manual Call Point and Sounders



Certification

International
Standards



User Friendly

With LCD Display Panels
Easy to Monitor



FIRE ALARM PANELS



EN54-2
EN54-4

Conventional Fire Alarm Panel

ECFP/XXM Series

2/4/8/12/16 zones
LCD display / LED indicators
20 detector connections per zone
Metal housing
Start / Stop Sounder / Reset /
Silence buzzer buttons



EN54-2
EN54-4

Conventional Fire Alarm Panel

ECFP KEY

Control/Reset with key
2/4/8/12/16 zones
LCD display / LED indicators
20 detector connections per zone
Metal housing
Start / Stop Sounder / Reset /
Silence buzzer buttons



EN54-2
EN54-4

Conventional Fire Alarm Panel

ECFP/XXP Series

2/4/8/12/16 zones
LCD display / LED indicators
20 detector connections per zone
ABS housing
Start / Stop Sounder / Reset /
Silence buzzer buttons



EN54-2
EN54-4

Conventional Fire Alarm Panel

ECFP/Gray

2/4/8/12/16 zones
LCD display / LED indicators
20 detector connections per zone
ABS
Start / Stop Sounder / Reset /
Silence buzzer buttons

DETECTORS



EN54-7

Optical Smoke Detector

OD24

360° Double LED indicator
Smart algorithm
Live indicator LED / Optical detection
Test with magnet / Impurity compensation
Locked reset
Cleanable optical cell



EN54-7

Optical Smoke Detector

ECP2L

360° Double LED indicator
Live indicator LED / Optical detection
5 pin
Locked reset
Cleanable optical cell



EN54-7

Optical Smoke Detector

ECP2L3

360° Double LED indicator
Live indicator LED / Optical detection
3 pin
Locked reset
Cleanable optical cell



EN54-10

Flame Detector

ECF

4 different detection timers
Alarm LED indicator
Alarm sound (Optional)
Alarm memory LED
UV detection
Detection at a distance of 10 meters
Supply voltage range 10 - 30V DC



EN54-5

Heat Detector

ECH2L5

360° Double LED indicator
NTC heat sensor
5 pin
Locked reset



EN54-5

Heat Detector

ECH2L3

360° Double LED indicator
NTC heat sensor
3 pin
Locked reset



Detector Base

ECDB

Detector Base
For 5 pin models
Mounting lock



Detector Base

ECDB3

Detector base
For 3 pin models
Optional mounting lock



Detector Deep Base

ECDB-D

For 5/3 pin models
Surface mounted
Exposed ceiling application



Parallel LED Warning

EPA25

Connected to the detectors LED output
Compatible with 5 pin EDS detectors



Parallel LED Warning

FLL24

Color option Red or Yellow
Compatible with 5 pin EDS detector

MANUAL CALL POINT



EN54-11

Manual Call Point

ECB20R

Stylish design
IP24 / Indoor
470 ohm resistor

SOUNDERS



EN54-3

Outdoor Sounder

ECS022R

110-120dB
Piezo buzzer
Red LED indicator
Surface mount
IP33C protection



EN54-3

Indoor Sounder

ECSI20

90-100dB
Piezo buzzer
Single LED indicator
Surface mount
IP21C protection



EN54-3

Indoor Sounder

ECSI20R

90-100dB
Piezo buzzer
3 LED indicator
Surface mount
IP21C protection



EN54-3

Conventional Flasher Sounder

ECSFL

74.4-88.9dB
Piezo buzzer
Red LED indicator
Surface mount
IP30 protection



NEPTUNE

FOR PARKING AND TUNEL ADDRESSABLE GAS DETECTION SYSTEMS



Right Solution

Consists of control panel, detector, siren, 4-20mA input and relay module designed in accordance with EN 50545-1 standard



Comprehensive Gas Detection

Detects flammable and toxic carbon monoxide, nitrogen oxide, methane and LPG gases



User Friendly

Touch screen, advanced interface and proprietary design for fast, easy and intuitive operation



Energy Saving

Saves energy by controlling the fan system



Easy Calibration

Can be calibrated on site

GAS CONTROL PANELS



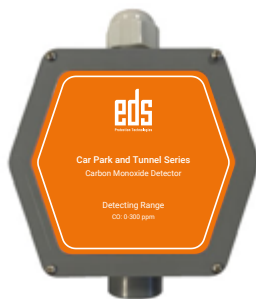
Gas Control Panel

EGP1 / EGP2 / EGP3 / EGP4

7" LCD display with touch screen
3 level alarm output
40 zone per loop
250/500/750/1000 unit connection

12 LED indicator
Time weighted alarm thresholds (TWA)
1/2/3/4 loop connection
Built-in 8 channel, 4-20mA and 8 channel relay connection
Ethernet connection / USB port
RS485/RS232 communication
Built-in buzzer and speaker
User-friendly interface
CO, NO, NO₂, CH₄ gas detector, 8 channel 4-20mA module,
8 channel relay module connection
Outdoor sounder, loop sounder connection
Ventilation system connection via relay
1000 event history log
System and device test function

GAS DETECTORS



Carbon Monoxide Detector

EGC

Electrochemical CO sensor
Microprocessor controlled
Carbonmonoxide detection between
0-300 ppm
Designed according to EN 50545-1
standard
IP55 protection



Carbon Monoxide and Nitrogen
Dioxide Detector

EGCN2

Electrochemical CO and NO₂ sensor
Microprocessor controlled
Carbonmonoxide detection
between 0-300 ppm
Nitrogendioxide detection
between 0-30 ppm
Designed according to EN 50545-1 standard
IP55 protection



Nitrogen Dioxide Detector

EGN2

Electrochemical NO₂ sensor
Microprocessor controlled
Nitrogendioxide detection
between 0-30 ppm
Designed according to EN 50545-1
standard
IP55 protection



Nitrogen Oxide Detector

EGN

Electrochemical NO_x sensor
Microprocessor controlled
Nitrogenoxide detection
between 0-100 ppm
Designed according to EN 50545-1 standard
IP55 protection



Methane Detector

EGM

Catalytic sensor
Microprocessor controlled
Short-circuit isolator
Methane detection between 0-100 % LEL
IP55 protection



LPG Detector

EGL

Catalytic sensor
Microprocessor controlled
Short-circuit isolator
LPG detection between 0-100 % LEL
IP55 protection



Explosion Proof Methane Detector

EGMX

Catalytic sensor
Microprocessor controlled
Methane detection between 0-60 % LEL
Explosion proof housing
IP68 protection



Explosion Proof LPG Detector

EGLX

Catalytic sensor
Microprocessor controlled
LPG detection between 0-60 % LEL
Explosion proof housing
IP68 protection



Calibration Cap

EKH

Used to calibrate the devices on site

GAS SOUNDERS



Outdoor Sounder

EGOS

102-108 dB
Piezo buzzer
Red LED flasher
Surface mount
IP33C protection



Loop Sounder

EGLS

80-90dB
Piezo buzzer
LED indicator
Surface mount
IP21C protection

INPUT / OUTPUT MODULES



4-20mA Module

EGIM

8 Input connections
Short-circuit isolator
Input type 4-20mA
IP65 protection



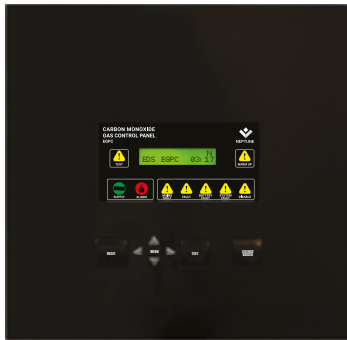
Relay Module

EGR

8 relay channel
Short-circuit isolator
16 relay connection to panel
128 relay address for each loop



CARBON MONOXIDE DETECTION SYSTEMS



Addressable Carbon
Monoxide Control Panel
EGPC

Designed to control gas detectors
2x16 character LCD display
Devices and status can be
easily monitored
9 LED indicators
2 battery connection slots
For car parks and tunnels
4 zones with 1 relay module for each zone
32 carbon monoxide detectors connection
24V DC (2x7Ah 12V)



Carbon Monoxide Detector

EGCL

Electrochemical CO sensor
Microprocessor-controlled
Replaceable sensor for easy installation
RS485 communication line
Detection range 0-300 ppm
EN 60335-1: 2010 Clause 21 Mechanical
Strength Certificate
Sensor test function
Designed according to EN 50545-1
Standard
18-28V DC



Addressable Relay Module

EGRL

3 relays
Microprocessor-controlled
3 alarm levels
RS485 communication line
Used with EGPC addressable gas control
panel

LPG DETECTION SYSTEMS



Addressable LPG Control Panel

EGPL3

Designed to control 32 LPG detectors
LCD screen with 6 warning LEDs
3 zones
24V DC 7Ah battery



Addressable LPG Detector

EGLL

Catalytic LPG sensor
Addressable, wired RS485 communication
0-100%LEL LPG measurement range
20-28V DC operating range
Low measurement level warning

STANDALONE GAS DETECTIONS



Natural Gas Detector

GZD01

Piezo buzzer / 85dB
IPX2D

50m² protection area

Relay output / 2A@30V DC / 0.5A@125V AC
Supply voltage range / 10 - 15V DC



Natural Gas Detector

GZD03

Piezo buzzer / 85dB
IPX2D

50m² protection area

Relay output / 125 V AC 0.6/30V DC, 2A
Supply voltage range / 220V AC \pm %10



Natural Gas Detector

GZD04

Piezo buzzer / 85dB
IPX2D

50m² protection area

Relay output / 250V AC 0.3A / 30V DC 2A
Supply voltage range / 220V AC \pm %10



Natural Gas Detector

GZD05

Piezo buzzer / 85dB
IPX2D

50m² protection area

Relay output / 2A@24V DC / 1A@120V AC
Supply voltage range / 12 - 24V DC



Natural Gas Detector

GZD06

Piezo buzzer / 85dB
IPX2D

50m² protection area

Relay output / 2A@24V DC / 1A@120V AC
Supply voltage range / 12 - 24V DC
Internal alarm resistor (510 Ω)



Carbon Monoxide Detector

CD310

Piezo buzzer / 85dB
Semiconductor sensor
4 alarm levels

3 LED indicator

50m² protection area

Relay output

Supply voltage range/10-15V DC



Carbon Monoxide Detector

CD330 / CD330R

Piezo buzzer / 85dB
Semiconductor sensor
4 alarm levels

3 LED indicator

50m² protection area

Relay output

Supply voltage range/220V \pm AC%10



EN54 Approved Fire Alarm Power Supply

EN54 approved fire alarm power supply delivers high-performance and reliable energy for your fire alarm system. Designed to ensure the uninterrupted operation of fire alarm systems.



POWER SUPPLIES - BOX



EN54-4

27.2V DC EN54-4 Power Supply

EPS27V05

2 Output 27.2V DC / 95W output power
187-265V AC input voltage (50Hz)
Power and fault indicator LEDs
Battery temperature compensation
Constant current battery charging (C/10)
3-3.5A per output / Max 5A
Metal box - 404x404x87mm
EN54-4 approved



EN54-4

27.2V DC EN54-4 Power Supply

EPS27V05M

2 Output 27.2V DC / 95W output power
187-265V AC input voltage (50Hz)
Power and fault indicator LEDs
Battery temperature compensation
Constant current battery charging (C/10)
3-3.5A per output / Max 5A
Metal box - 404x404x87mm
EN54-4 approved



8 Output 13.6V DC Power Supply

PS13V610-80-D

8 output 13.6V DC
187-253V AC input voltage (50Hz)
Power supply with battery charger
Power / Fault LED indicator
3A per output / Max 12,5A
Metal box
TSE approved



12V DC CCTV Power Supply

PSD220-12

20 output 12V DC
1A fuse protection
Status indicator LED for each output
High efficiency
0,8A per output
Metal box



1U Panel CCTV
Power Supply

PS1U12V Series

4 output 25W / 16 output 100W
150V-264V AC input voltage (47-63Hz)
Each output 0.5A fuse protected
Switch mode
Natural cooling
Metal box



Maintenance-Free Accumulator
Rectifier 12V

EBR12K

Single output 12V / Max 2A
180V AC 264V AC input voltage
Natural cooling
Used as power supply and to
charge accumulator
Metal box



Maintenance-Free Accumulator
Rectifier 24V

EBR24K

Single output 24V / Max 1A
180V AC 264V AC input voltage
Natural cooling
Used as power supply and to
charge accumulator
Metal box



13.6V DC Power Supply

PS13V608-2K

Single output 13.6V DC / 108W
Max 8A
Input voltage 180V-264V AC(47-63 Hz)
Used as power supply and to
charge accumulator
Metal box



13.6V DC Power Supply

PS13V608-2K-D

Single output 13.6V DC / 108W
Max 8A
Input voltage 180V-264V AC(47-63 Hz)
Used as power supply and to
charge accumulator
Metal box



27.2V DC Power Supply

PS27V204-2K

Single output 27.2V DC /108W
Max 4A
Input voltage 180V-264V AC(47-63 Hz)
Used as power supply and to
charge accumulator
Metal box

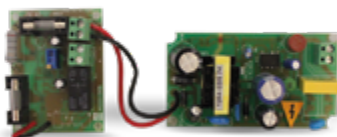


27.2V DC Power Supply

PS27V204-2K-D

Single output 27.2V DC /108W
Max 4A
Input voltage 180V-264V AC(47-63 Hz)
Used as power supply and to
charge accumulator
Metal box

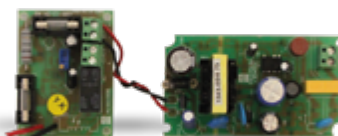
POWER SUPPLIES - OPEN FRAME



Maintenance-Free Accumulator
Rectifier 12V

EBR12

Single output 12V / Max 2A
180V-264V AC input voltage
Natural cooling
Used as power supply and to
charge accumulator



Maintenance-Free Accumulator
Rectifier 24V

EBR24

Single output 24V / Max 1A
180V-264V AC input voltage
Natural cooling
Used as power supply and to
charge accumulator



13.6V DC
Power Supply Card

PS13V608-2S

Single output 13.6V DC / 108W
Max 8A
Input voltage 180V-264V AC(47-63 Hz)
Used as power supply and to
charge accumulator



27.2V DC Power Supply Card

PS27V204-2S

Single output 27.2V DC /108W
Max 4A
Input voltage 180V-264V AC(47-63 Hz)
Used as power supply and to
charge accumulator



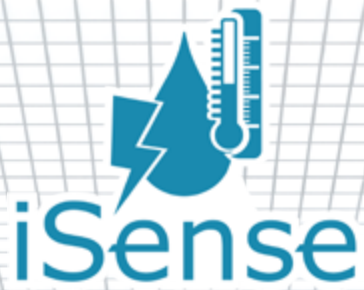
Accessories

Small Metal Box



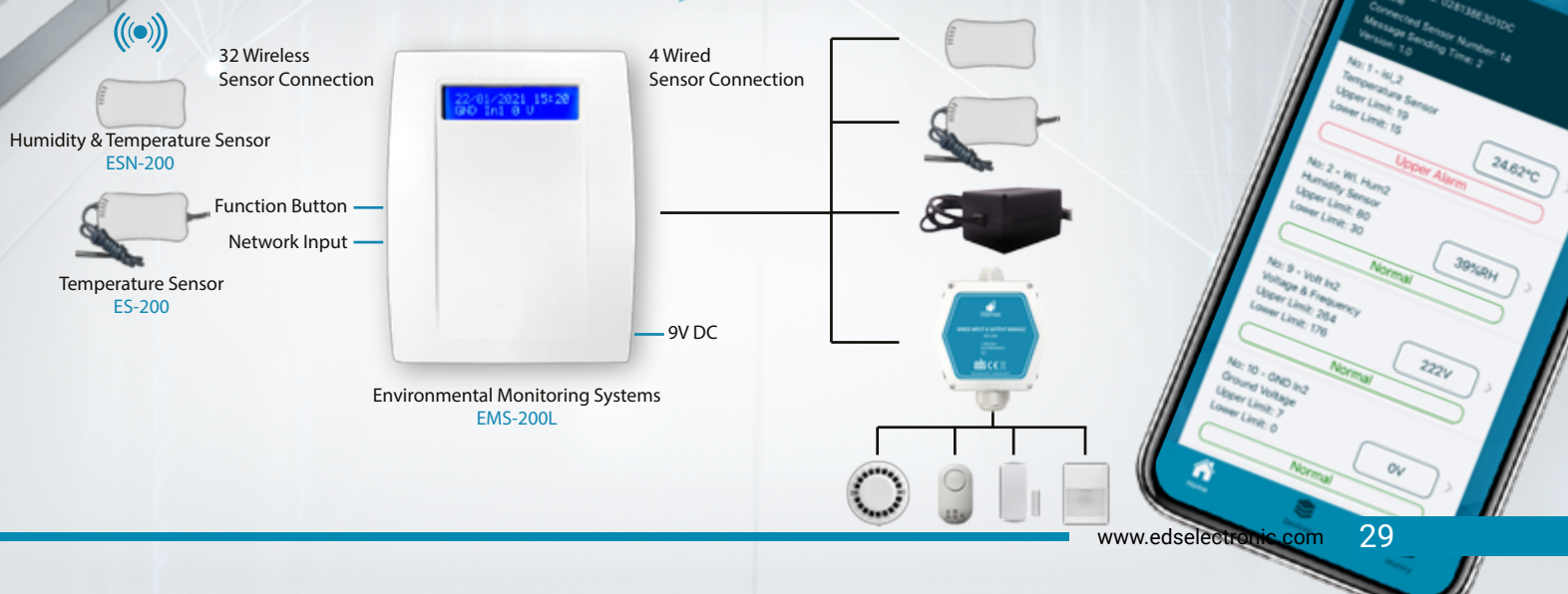
Accessories

Metal Box



Measure. View. Report

Environmental Monitoring Systems



MONITORING PANELS



Wired Monitoring Panel

EMS-200L

32 wireless, 16 wire sensor connections
16x2 LCD screen
Network connection
433mHz wireless communication
RS485 wired communication
RTC battery
Built-in Battery 8.5V 200mAh (6xAAA)
7-9V DC operating range



GSM Monitoring Panel

EMS-200GSM

32 wireless, 16 wire sensor connections
16x2 LCD screen
Network&GSM connection
433mHz wireless communication
RS485 wired communication
RTC battery
Built-in Battery 8.5V 200mAh (6xAAA)
7-9V DC operating range

MONITORING SENSORS



Wireless Temperature & Humidity Sensor

ESN-200

Temperature measurement range
-10°C / + 50°C
Temperature accuracy $\pm 0.3^{\circ}\text{C}$
Humidity measuring range 0-80% RH
Humidity sensitivity 3% RH
30m wireless communication distance



Wireless Temperature Sensor

ES-200

Temperature measurement range
-40°C / + 85°C
 ± 0.3 Temperature precision
Wireless communicating
temperature sensor
30m wireless communication distance



Wireless Temperature Sensor

ES-201

Temperature measurement range
-40°C / + 60°C
 ± 0.3 Temperature precision
Wireless communicating
temperature sensor
30m wireless communication distance



Wired Temperature & Humidity Sensor

ESN-200L

Temperature measurement range
-40°C / + 60°C
Temperature accuracy $\pm 0.3^{\circ}\text{C}$
Humidity measuring range 0-80% RH
Humidity sensitivity 3% RH
50m cable distance



Wired Temperature Sensor

ES-200L

Temperature measurement range
-40°C / + 85°C
 ± 0.3 temperature precision
50m cable distance



Wired Temperature Sensor

ES-201L

Temperature measurement range
-40°C / + 60°C
 ± 0.3 temperature precision
50m cable distance



Noise Sensor

EGS

Measures the sound level
Waterproof
Measurement range 30-130dB
Precision 1.5 dB
Frequency range 31.5 ~8000Hz
Piezo buzzer
Sound intensity 68dB
Sound mapping function available upon request



Voltage and Frequency Sensor

EVF-200

Phase measurement range
120-300V AC / 1V precision
Frequency measurement range
10-500 Hz / 0.1 Hz precision
Earth measurement range
0-20V AC / 1V precision
Maximum cable distance 50m

ACCESS MODULES



Digital Access Module

EIO-200

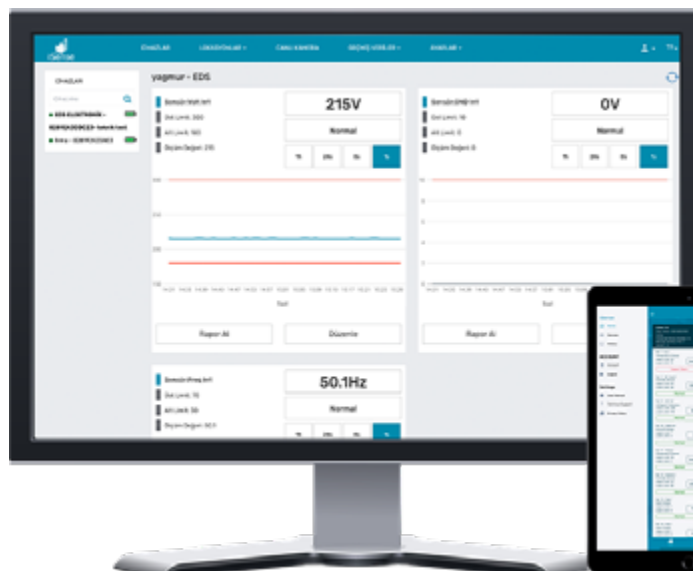
4 input channels (NC / NO contact)
2 output channels (Solid state relay)
50m cable distance



Analog Access Module

EMAS-100

Delivers data from the sensors
Relay open/closed ignition values
Measurement 4-20mA analog signal
Precision: 0.001mA



Standalone Keypad with Password and RFID



Password Access:
Secure entry with customizable user codes



RFID Card Access:
Convenient and secure RFID card entry



Trap Password Selection



24h Password for Temporary Entrances



Supports 120 cards



KEYPAD AND CONTROL BUTTONS



Standalone Keypad

SK120

Touch keypad with passcode and RFID
Settings and unlock LED indicators
Support 120 RFID cards and password
Passwords between 4-6 digits
Trap password option
Backlighting
Relay and panic output



Standalone Keypad

SK30

Door keypad with passcode
30 user codes
Adjustable relay time
Buzzer / 3 LED indicator
Backlighting
Relay and panic output
12V DC or 24V DC



Contactless Door Control Button

EBT

Sensor detection distance 5-25cm
Exit time 1-30 sec
Informs the user with blue-green LEDs
Voltage range 12-24V DC
Dimensions 90x70x25mm



Contactless Door Control Button

EBTK

Sensor detection distance 5-25cm
Exit time 1-30 sec
Informs the user with blue-green LEDs
Voltage range of 12-24V DC
Dimensions 86x86x39mm

PEOPLE COUNTING SYSTEMS



People Counter Control Panel

EPCP

Counting the number of customers in real-time
Alarm in full capacity
Green, yellow and red warning LEDs for busy, normal and alarm state
Automatic door control 220V AC in case of full capacity with relay output



Beam Detector

Penbar-50/Penbar-100

Infrared beam receiver and transmitter
2 IR LED/4 IR LED
Distance between columns max 6m
Height of the columns 50cm/100cm
2 pairs of connections to the system



People Counter Visual Warning

EPCS /EPCV

When the occupancy rate exceeds 100% message announced
Continuous announcement feature
Red, Yellow and Green LED indicator
It shows the system status with LEDs
2 connections to the system



VOICE WARNING SYSTEMS



Voice Warning Systems are designed to protect and inform people during emergencies. These systems deliver clear, audible warning and information messages in various scenarios, including medical emergencies, safety and security incidents and more.

- **Immediate Alerts:** Provides real-time voice alerts to ensure quick and effective response
- **Versatile Applications:** Ideal for a wide range of environments, from hospitals and schools to commercial and industrial settings, and vehicles
- **Enhanced Safety:** Improves safety protocols by delivering precise instructions during critical situations



VOICE WARNING

EDA-T Series - Disabled Assistance with cord for WC



Receiver
EDA-TRA

Speaker / 93dB
4 different audio options
Red LED Indicator
433.92 MHz frequency
Used with transmitter (EDA-TT)
Battery back-up (6V 300mAh)
Works with 12V DC adapter



Transmitter
EDA-TT

Toilet alarm transmitter with cord
Red LED Indicator
433.92 MHz frequency
Battery powered
Used with Receiver (EDA-TR)



Audible Warning
ES20 / ES40

20 / 40 seconds of voice message
recording and loud announcing
Records desired message via built-in
microphone or from the sound input
Triggering the panel relay outputs
to read the recorded message
Power failure protection

EDA-B Series - Disabled Assistance with Call Button



Receiver
EDA-BR

Piezo Buzzer / 85dB
Red LED Indicator
Microprocessor controlled
433.92 MHz frequency
Used with transmitter (EDA-BT)
Battery back-up (6V 300mAh)
Works with 12V DC adapter



Transmitter
EDA-BT

Alarm Transmitter with push button
Red LED Indicator
433.92 MHz frequency
Battery powered
Used with receiver (EDA-BR)



Voice Warning
ES-C

4 channel voice and flashing announcement set
20 seconds 4 different announcement option
30, 60, 90, 120 min adjustable recording
Used in public indoor and outdoor environments
Such as hospitals, offices, markets and parks

EDA-BY Series - Disabled Assistance with Call Button



Receiver
EDA-BR

Piezo buzzer / 85dB
Red LED indicator
Microprocessor controlled
433.92 MHz frequency
Used with transmitter (EDA-BYT)
Battery back-up (6V 300mAh)
Works with 12V DC adapter



Transmitter
EDA-BYT

Alarm Transmitter with push button
Red LED indicator
433.92 MHz frequency
Battery powered
Used with receiver (EDA-BR)

