



# Asentria® | Security Monitoring Event Sensors

## DOOR SENSOR KIT

The door sensor indicates the opening or closing of any door, window, access lid, or cover upon which it is installed. Features a two-part magnetically activated switch with contact-closure output. Affix one part to the door and the other part to the component base using adhesive or screw mounts. Can be used with any Asentria contact-closure input. Outdoor model is hardened and rust-proofed for outdoor use.

- Detection distance: <15mm closed, >25mm open (Indoor) / <35mm closed, >90mm open (Outdoor)
- Indoor Sensor Kit (ESC-DSI1).....\$25
- Outdoor Sensor Kit (ESC-DSO1).....\$40
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Example part #: ESC-DSI1/K25



## DOOR ACCESS STRIKE

The door strike replaces a standard mechanical door strike plate with an electrical one that can be remotely locked/unlocked via relay output to control access to a room. Fail-safe operation allows access upon power failure. Rugged stainless steel body; works with any standard metal door. Can be used with any Asentria relay output. A single door access strike may be powered directly by the S450 base unit with the output power option, or multiple devices from the /P12 option below. Please purchase a specific "Power Cord" from Miscellaneous Parts as a separate line-item, based on the plug-type available in your country. US Plug provided in base /P12 option.

- Requires external 12/24VDC, 250mA power supply
- Door Strike (ESR-DST1).....\$135
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Add 12VDC Power Supply (/P12).....\$80
- Example part #: ESR-DST1/K50



## IP CAMERA

These remote surveillance cameras are stand-alone devices that connect directly to your Ethernet switch for live IP-based video access. They can capture still images and/or a video stream upon detecting motion. Video compression and resolution can be adjusted to fit the available IP bandwidth. Secure, encrypted video uploads to server. AC power adapter included.

- Lens: varifocal, 2.8-10mm/F1.3 aperture
- Video: 640 x 480, 30 fps, Motion JPEG compression
- Audio: 2-way built-in microphone
- Security: HTTPS encryption, password protection, motion and tampering detection
- Mount: ceiling
- Power supply: DC, PoE (Power over Ethernet) from switch
- IP Camera - PTZ Dome (ESE-CAM1).....\$1090
- IP Camera - Fixed Lens (ESE-CAM2).....\$330



## SIREN ALARM

This device produces a loud sound when activated by a relay output. Requires external power.

- Mount: electric outlet box
- Power supply: 120VAC
- Sound: 2.9kHz warble, 95dB @1m
- Strobe: none
- Operating temperature: -20 to 50°C
- Siren, Outdoor (ESR-SSO2).....\$40
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Example part #: ESR-SSO2/K50



## SIREN/STROBE ALARM

This device produces a loud sound and a strobe light when activated by a relay output. Requires external power. A single siren/strobe may be powered directly by the S450 base unit with the output power option, or multiple devices from the /P12 option below. Please purchase a specific "Power Cord" from Miscellaneous Parts as a separate line-item, based on the plug-type available in your country. US plug provided in base /P12 option.

- Mount: wall
- Power supply: 12VDC
- Sound: continuous, 110dB @ 1M
- Strobe: red flashing, 150Hz
- Operating temperature: 0° to 40°C
- Siren/Strobe, Indoor (ESR-SSI1)..\$40
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Add 12VDC pwr supply (/P12).....\$80
- Example Part #: ESR-SSI1/K25/P12



## RFID CARD READER

Use this card reader in combination with the electronic door strike to grant/deny access to your equipment room. Reads standard IDC cards and IDK key-fobs within 4" proximity of sensor. Green/red LEDs and piezo buzzer indicate whether or not access is granted. Can be programmed with up to 512 different card codes. Waterproof for indoor/outdoor use. Works with Asentria base units that have scripting capability - S450, S550, S571. Requires external power. A single RFID card reader may be powered directly by an S450 base unit with the output power option, or multiple devices from the /P12 option below. Please purchase a specific "Power Cord" from Miscellaneous Parts as a separate line-item, based on the plug-type available in your country. US Plug provided in base /P12 option.

- Power supply: 12VDC, 150mA
- Operating temperature: -35° to 60°C
- Relative humidity range: 10 to 90%
- External controls: reads exit button and door sensor inputs, activates door strike output
- Reader output: RS485 serial (requires adapter)
- RFID reader/controller (ESS-RFID1).....\$380
- RFID reader (ESS-RFID2).....\$125
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Add 12VDC pwr supply (/P12).....\$80
- Add RS485 serial adapter (/485).....\$30
- Example part #: ESS-RFID1/K50/P12/485





# Asentria® | Security Monitoring Event Sensors

## MOTION SENSOR

Intelligent Quad-PIR technology gives this motion sensor superior true motion detection and interference rejection to prevent false alarms from sunlight, wind, birds, and operating machinery. Wall mount; waterproof for indoor/outdoor use. Form A contact closure output. A single motion sensor may be powered directly by an S450 base unit with the output power option, or multiple devices from the /P12 option below. Please purchase a specific "Power Cord" from Miscellaneous Parts as a separate line-item, based on the plug-type available in your country. US Plug provided in base /P12 option.



- Coverage area: 12 x 12 meters, 110° wide angle
- Operating temperature: -10 to 50°C
- Motion Sensor (ESC-MSO1).....\$70
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Add 12VDC Pwr Supply (/P12).....\$80
- Example part #: ESC-MSO1/K25/P12

## FUEL LEVEL EVENTSENSORS

Diesel generators are often used to provide primary or backup power at remote sites. Each generator requires at least one diesel fuel tank for continued operation. For optimum fuel management, Asentria recommends that you incorporate remote fuel-level monitoring in your system.

Fuel sensors monitor the tank's fuel level and measure fuel usage by replacing the standard mechanical fuel level gauge with a more capable electronic one. Asentria carries a complete line of fuel sensors that allow you to collect daily or even hourly statistics to help you schedule tank refills and establish billing.

## ULTRASONIC FUEL SENSOR

We recommend ultrasonic sensors for their high accuracy, reliability, and ability to adapt to varying tank depths. These are compatible with most Asentria base units. RS485-RS232 Adapter (4162-009) required for units with RS485 output. RS485 units for use with Asentria base units that have scripting capability - S450, S550, S571. Script to read RS485 protocol needed on base unit. Analog output unit works with any Asentria unit that supports voltage inputs. A single ultrasonic fuel sensor may be powered directly by an S450 base unit with the output power option, or multiple devices from the /P12 option below. Please purchase a specific "Power Cord" from Miscellaneous Parts as a separate line-item, based on the plug-type available in your country. US Plug provided in base /P12 option.



- Analog voltage output, up to 32 inch depth, accurate to ± 0.125 inch (ESV-FSU32).....\$180
- RS485 output, up to 40 inch depth, accurate up to 2% volume (ESS-FSU40).....\$350
- RS485 output, up to 100 inch depth, accurate up to 2% volume (ESS-FSU100).....\$470
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Add 12VDC power supply (/P12).....\$80
- Add RS485 serial kit (/485).....\$30
- Example part #: ESS-FSU40/K50/P12/485

## FLOAT LEVEL FUEL SENSORS

Float-style sensors are also available upon request, subject to a minimum 20-piece order quantity. These are compatible with the S450 only. Self-powered.

- Resistive output, 24 inch depth, accurate to 1 inch (ESF-FSF24).....\$90
- Resistive output, 32 inch depth, accurate to 1 inch (ESF-FSF32).....\$90
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Example part #: ESF-FSF24/K25



Custom sizes available for large projects -- contact Sales.

*PLEASE NOTE: Diesel fuel tanks vary widely in size and shape, from 8" to 80" or more in depth, and rectangular or cylindrical shape. For best fit and measurement accuracy, please include your tank's interior dimensions (length, width, depth), tank shape, and capacity (gallons/liters) with your order. Note that tank walls can be up to 1" thick so it's important to know the interior dimensions.*

Sensor mounts also vary in style; the most common are SAE 5-hole, 4-hole, NPT 1.5" (pipe thread), and BSP 1.25" (British standard thread). Asentria's sensors use the SAE 5-hole mount; adapters are available upon request.

## PRESSURE-BASED FUEL SENSORS

Pressure-based sensors are the top choice for monitoring both fuel level and usage. They are easiest to install and provide the highest accuracy. No special tank mounting is required; simply place the sensor in the bottom of the tank and route its cable up through any top inlet. A single pressure-based fuel sensor may be powered directly by an S450 base unit with the output power option, or multiple devices from the /P15 option below. Please purchase a specific "Power Cord" from Miscellaneous Parts as a separate line-item, based on the plug-type available in your country. US Plug provided in base /P12 option.

- Submersible in diesel fuel
- 4-20mA output
- 8-100" depth
- Accurate to ±0.25% volume
- Temperature range: -18° to 60°C
- Response time: 50ms
- Requires external power 15-24VDC

- Pressure-based Fuel Sensor (ESM-FSP1).....\$700
- Add 25' wiring kit (/K25).....\$10
- Add 50' wiring kit (/K50).....\$20
- Add 15VDC Power Supply (/P15).....\$20
- Example part #: ESM-FSP1/K50/P15

