

Intruder Alarm Solutions



Hybrid

Intruder Control Panels

	Eclipse 99	Eclipse 32	Eclipse 16	Eclipse 8+
Zones on board	8 (16 with doubling)	8 (16 with doubling)	16	8 (16 with doubling)
Max. Zones	99	32	16	16
PGM Outputs on board	5	5	5	5
Max. PGM Outputs	99	32	8	8
Areas	16	8	3	3
Zone doubling	✓	✓	✗	✓
Hybrid system	✓	✓	✓	✓
Zone expander module	✓	✓	✓	✓
PGM expander module	✓	✓	✗	✗
Wireless expander module	up to 4	up to 4	up to 4	up to 4
• Max. wireless detectors	99	32	16	16
• Max. wireless sirens	99	32	3	3
• Max. remote controls	99	64	32	32
User codes or proxy cards	99	64	32	32
Event log	5000	1024	1024	1024
Power supply	2.5A	2.5A	1A	1A
Keypads	LED, LCD, TFT	LED, LCD, TFT	LED, LCD, TFT	LED, LCD, TFT
Time attendance	✓	✓	✗	✗
Max. BUS devices	30	30	5	5

Installer Advantages

- ESD protection against storm discharge
- Real time view of the resistance on each zone
- Real time view of the communication quality on the BUS
- Service keypad interface on board
- Micro USB port for programming and firmware update
- Status indicator on each device for: short circuit, low voltage and wiring error on the bus
- 45-degree terminals
- Color-coded terminals

Eclipse 16

Hybrid Intruder Alarm Control Panel

EN50131



- Hybrid entry level solution for security of middle size residential, commercial or office premises
- 16 zones
- 3 areas
- Remote control and monitoring via Home ProTTEct (iOS/Android) application
- Second entry time per area
- 3 alternative types of programming - by addresses, by operations or using tree structure text menus
- Up to 5 devices connected to the system bus: LED, LCD and TFT keyboards, Zone/Wireless expander modules, proximity card readers

Technical Specifications

Main power supply:	230VAC +10%/-15%
Frequency:	50/60Hz
Mains transformer:	17VAC/23VA
Accumulator battery:	1x12V/7Ah
Battery charger:	13.8VDC/0.75A fuse
Current consumption of control panel:	100mA
Operating temperature range:	from 0°C to +50°C
Enclosure box:	ABS plastic, white
Dimensions:	290x240x80mm

Features

Zone Inputs:	16 physical inputs on the control panel for connecting of detectors.
Zones:	16, with freely programmable parameters.
Zone wiring:	5 types, single connection style.
Areas:	3 independent
Outputs:	4 weak (up to 100mA) and 1 powerful (up to 1A) programmable outputs OC (open collector) type. 3 logical programmable outputs. Range of activation events for outputs management.
Access codes:	4 digit; 32 User codes (1 Manager + 31 Users), 1 Engineer code.
Memory LOG:	1024 events
Report to monitoring station:	Built-in digital communicator for telephone line reporting – CID and SIA protocols supported. TTE GPRS Standard/TTE GPRS Simple/ TTE LAN communication modules.

Eclipse 8+

Hybrid Intruder Alarm Control Panel

EN50131



- Hybrid middle entry level solution for security of middle size residential, commercial or office premises
- Up to 16 zones
- 3 areas
- Remote control and monitoring via Home ProTTEct (iOS/Android) application
- Second entry time per area
- 3 alternative types of programming - by addresses, by operations or using tree structure text menus
- Up to 5 devices connected to the system bus: LED, LCD and TFT keyboards, Zone/Wireless expander modules, proximity card readers

Technical Specifications

Main power supply:	230VAC +10%/-15%
Frequency:	50/60Hz
Mains transformer:	17VAC/17VA
Accumulator battery:	1x12V/7Ah
Battery charger:	13.8VDC/0.75A fuse
Current consumption of control panel:	100mA
Operating temperature range:	from 0°C to +50°C
Enclosure box:	ABS plastic, white
Dimensions:	290x240x80mm

Features

Zone Inputs:	8 physical inputs on the control panel for connecting of detectors.
Zones:	16, with freely programmable parameters.
Zone wiring:	9 types, single or doubling connection style.
Areas:	3 independent
Outputs:	4 weak (up to 100mA) and 1 powerful (up to 1A) programmable outputs OC (open collector) type. 3 logical programmable outputs. Range of activation events for outputs management.
Access codes:	4 digit; 32 User codes (1 Manager + 31 Users), 1 Engineer code.
Memory LOG:	1024 events
Report to monitoring station:	Built-in digital communicator for telephone line reporting – CID and SIA protocols supported. TTE GPRS Standard/TTE GPRS Simple/ TTE LAN communication modules.

Eclipse

Keyboards and Readers



Eclipse LED16A

- LED keypad
- Indication for 16 zones and 3 areas
- Supports 2 programming types: by addresses and by operations
- Quick buttons for all arming modes
- Adjustable intensity of backlight for the buttons
- 3 fast button combinations for sending of PANIC, MEDICAL and FIRE alarm
- Adjustable buzzer volume
- Bidirectional TAMPER switch



Eclipse LED8

- LED keypad
- Indication for 8 zones and 1 area
- Supports 2 programming types: by addresses and by operations
- Quick buttons for all arming modes
- 3 fast button combinations for sending of PANIC, MEDICAL and FIRE alarm
- Adjustable intensity of backlight for the buttons
- Adjustable buzzer volume
- Bidirectional TAMPER switch

Eclipse

Expander Modules



Eclipse VD

- Voice Dialer
- Plug-in card to the panel's PSTN
- Up to 8 phone numbers for voice reporting
- Remote arm/disarm, output control, system status checking guided by voice
- Multilingual support
- Easy language update (languages are stored on micro SD card)



Eclipse Zone 8

- Zone expander
- Connection directly to the system bus
- 8 additional zone inputs with freely programmable parameters
- Additional PGM output, 100mA, OC type (open collector)
- Direct mounting in the Eclipse 32 panel's box
- Stand-alone mounting in small universal plastic box SB-U

Detectors

TITAN PIR Series

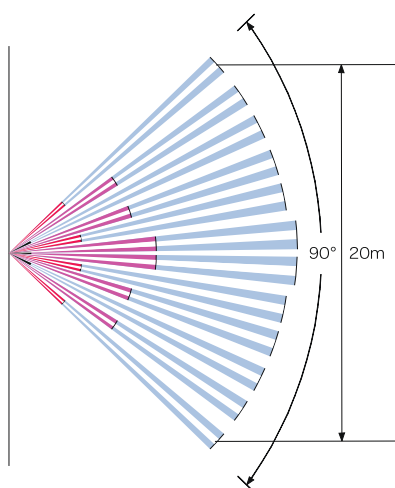
TITAN AG

TITAN DL

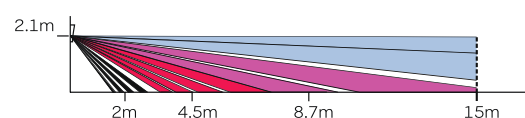
TITAN QD 40

Algorithm	Analogue	Digital	Digital
Filtering	Analogue	Digital + Analogue	Digital + Analogue
Range	1.5-15m	1.5-15m	1.5-15m
Temperature compensation	✓	Digital bidirectional	Digital bidirectional
RF Immunity	10 V/m; 80 - 2000 MHz	10 V/m; 80 - 2000 MHz	10 V/m; 80 - 2000 MHz
PET Immunity	Up to 12kg	12/20kg (selectable)	25/40kg (selectable)
Detection speed	0.2-3.5 m/s	0.2-3.5 m/s	0.2-3.5 m/s
Operating temperature	-20°C ÷ +50 °C	-20°C ÷ +50 °C	-20°C ÷ +50 °C
White light immunity	6500lux	4000lux	6500lux
Sensitivity adjustment	1 pulse and auto	1 pulse and auto	1 pulse and 2 pulses (PET)
Viewing angle	90°	90°	90°
Indication On/Off	LED	LED	LED
OptoMOS output	✓	✓	✓
Operating voltage	9 - 18V DC	9 - 18V DC	9 - 18V DC
Consumption	<12mA	<14mA	<14mA

Lens Pattern - top view



Lens Pattern - side view



Pet immunity

-  TITAN AG (PET - 12kg)
-  TITAN DL (PET - 12/20kg)
-  TITAN QD 40 (PET - 25/40kg)

Detectors

TITAN PIR Series Dual Technology

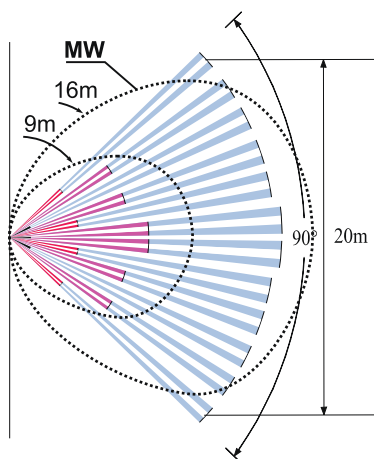
TITAN MW

TITAN MW AM

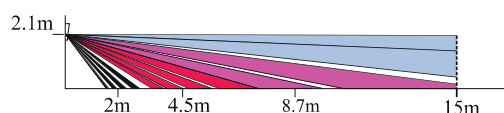
TITAN GB

EN Grade certified	2, Class II	3, Class II	×
Algorithm	Digital	Digital	Analogue
Anti Masking	×	✓	×
Range	PIR: 1.5-15m MW: 5-15m	PIR: 1.5-15m MW: 5-15m	PIR: 1.5-15m GB: up to 15m
PIR Sensitivity	Maximum or Auto	Maximum or Auto	1 Pulse or Auto
PIR Detection Speed	0.2 m/s - 3.5m/s	0.2 m/s - 3.5m/s	0.3 m/s - 3.0m/s
MW Sensitivity	With Trimmer, Frame Recognition	With Trimmer, Frame Recognition	×
MW Frequency	10.525 GHz (X-Band)	10.525 GHz (X-Band)	×
GB Frequency	×	×	5 - 10 kHz
Functions	×	×	Frequency and Amplification
Outputs	OptoMOS Relay	OptoMOS Relay	OptoMOS Relays - Separately
White Light Immunity	4000lux	4000lux	6500lux
Operating Temperature	-20°C ÷ +50°C	-20°C ÷ +50°C	-20°C ÷ +50°C
LED for Status Indication	3 LEDs-PIR, MW, ALARM	3 LEDs-PIR, MW, ALARM	✓
Consumption Standby/Alarm, max	23/46mA@12V DC	23/46mA@12V DC	17/32mA@12V DC
Operating Voltage	9 -18V DC	9 -18V DC	9 -18V DC

Lens Pattern - top view



Lens Pattern - side view



Pet immunity



TITAN MW (PET - 12kg)

TITAN GB (PET - 12kg)

Detectors

TITAN Series



TITAN AG

- PIR detector with cylindrical lens
- Coverage angle 90°
- Coverage area up to 15m
- 54 Detection zones
- Temperature compensation
- High white light immunity up to 6500Lux
- PET immunity: small animals up to 12kg
- Reverse polarity protection



TITAN DL

- PIR detector with cylindrical lens
- Digital processing algorithm
- Suitable for application in high class buildings - bank offices, storehouses, etc.
- Digital bidirectional temperature compensation
- Coverage angle 90°
- Coverage area up to 15m
- 54 Detection zones
- White light immunity up to 4000Lux
- PET immunity: small animals 12/20kg (selectable)
- Reverse polarity protection
- Option - 7 sensitivity levels (selectable)



TITAN GB

- Dual Technology (PIR + GBD glass break) detector
- Pulse count adjustment PIR and GBD
- Frequency adjustment - GBD
- Excellent white light immunity up to 6500Lux
- PET Immunity up to 12kg (for the PIR part only)
- Auto temperature compensation
- Reverse polarity protection



Mounting Bracket

- Bracket for TITAN Series detectors
- Suitable for wall and ceiling mounting

Sounders

Intruder Systems



SR 50

- Indoor siren
- Sound output - 102dB/1m
- Piezo speaker
- Blue flash
- Plastic enclosure



SR 200

- Outdoor siren
- Selectable sound output - 95dB/1m; 117dB/1m
- Electromagnetic speaker
- Plastic housing with inner metal cover
- IP54 and IK08 protection
- Built-in tamper and spirit level
- LED flash
- Internal metal housing
- Built-in lever bubble for correct mounting
- Double tamper (screw and wall)

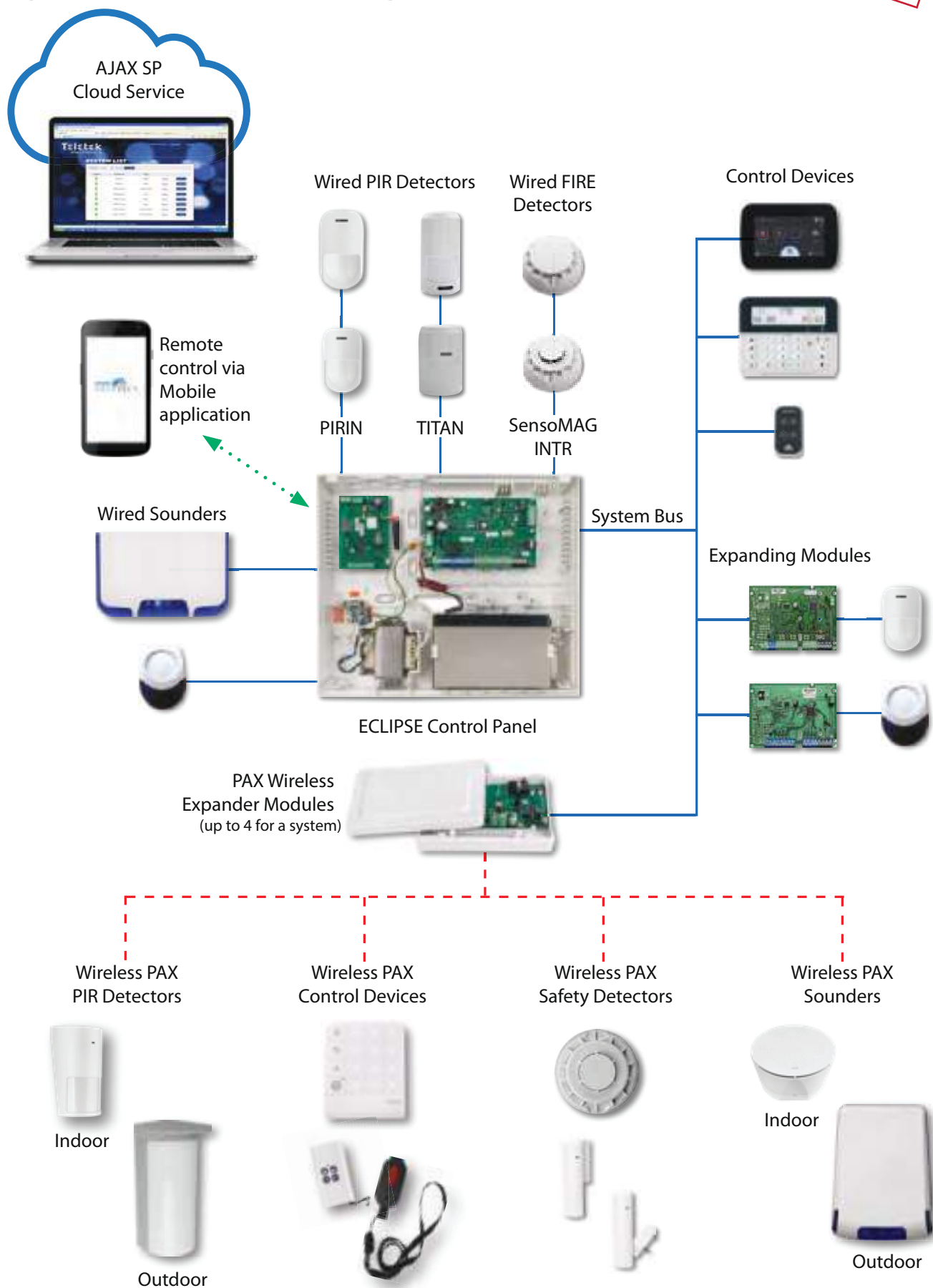


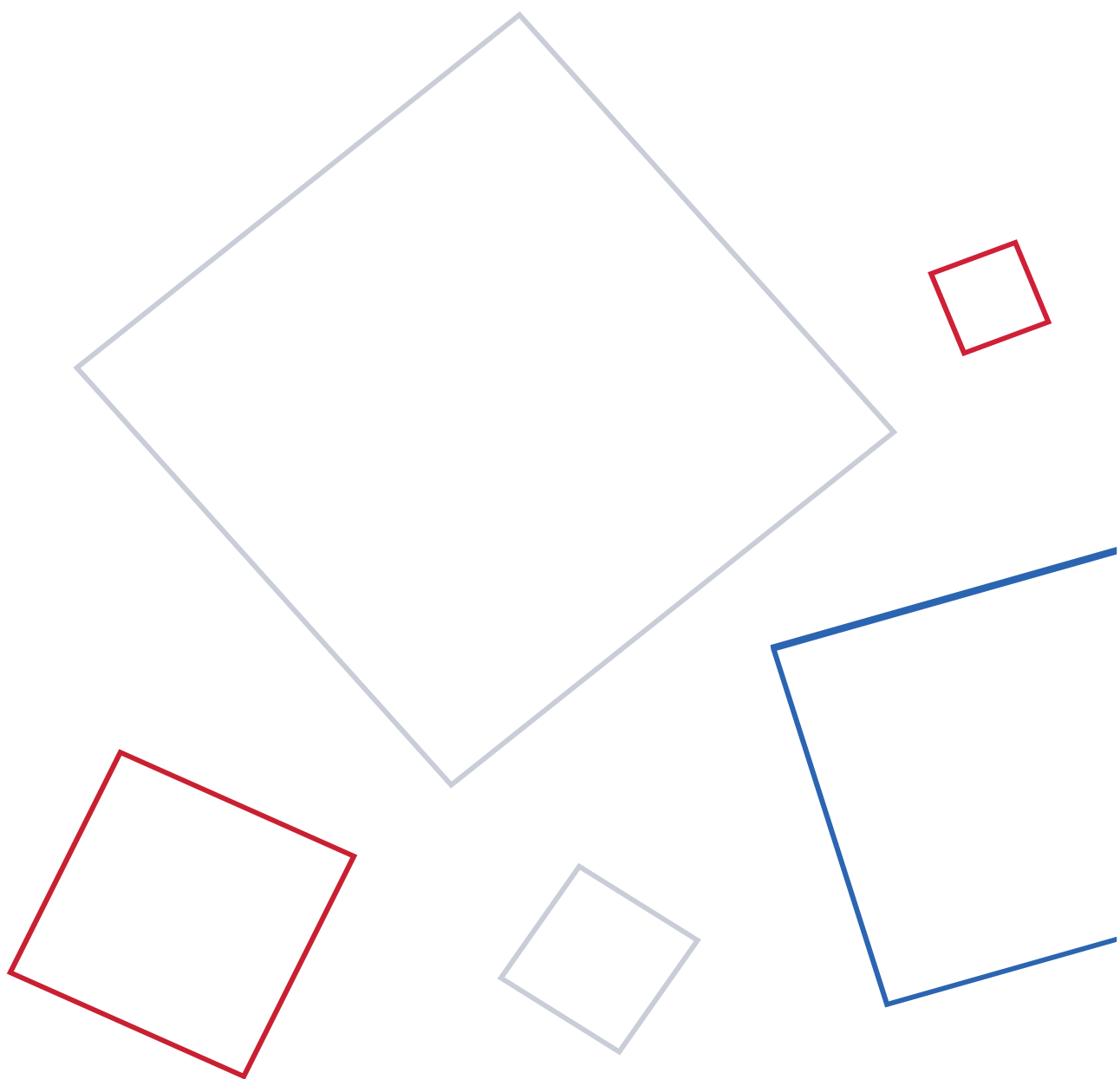
SR 300B

- Outdoor siren
- Selectable sound output - 85dB/1m; 105dB/1m
- Piezo speaker
- Plastic housing with inner metal cover
- IK08 and IP54 protection
- Built-in tamper and spirit level
- Built-in NiMH battery, 9V/180mAh
- Flat cover for company sticker or logo
- Blue flash

Eclipse

Hybrid Solution System Architecture





TELETEK

www.teletek-electronics.com



HST[®]

www.hlogicgroup.com

