



CATALOGUE

Security devices and detection systems

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TAKEX



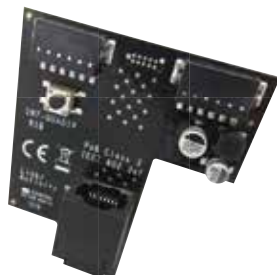
FB18

AUXILIARY SOLUTIONS

081

ANALOGUE TO IP CONVERTER

INT-QUADIP



POWER SUPPLY	PoE (IEEE802.3af/at compliant)
CONSUMPTION	3 class PoE (up to 13W)
CONFIGURATION	WEB browser
INPUT	4
ALARM	On IP + digital output N.C. 30V (AC/DC), up to 100 mA
WORKING TEMP.	-35°C a +66°C
COMPATIBLE WITH	Multiple VMS plataformas and IP cams
FUNCTIONS	Convert 3 relay outputs to IP signals
SUITABLE FOR	TAKEX Photoelectric 4 beams: PB-IN-HF/HFA, PB-F/FA, PB-IN-100AT & PB-KH

BATTERY AND WIRELESS TRANSMITTER BOX

BATTERY PACK



N° SUPPORTED DEVICES	Up to 2 wireless transmitters
CAPACITY	Up to 4 D type batteries (3,6V) 2 wireless transmitters
INPUT	Alarm: 2 each device / Tamper: 1
SUPPLY OUTPUTS	2 outputs, 3,6V each one
MOUNTING	Beamtower, pole or wall mount
MOUNTING BRACKETS	BP-TB (tower enclosure), BP-WB (wall), BP-PB (pole)
IP	IP65
OPTIONAL	Incorporates space and connector for wireless transmitter

I/O CONTROLLER FOR IP SURVEILLANCE SYSTEMS



IPAnything Module



UNIQUE FEATURES	<ul style="list-style-type: none"> · Power over Ethernet · Convert input signals to IP alarms · Integrate alarms with VMS or control cameras directly · 12V/24V DC output for powering external units · Network controlled relay outputs
DIGITAL INPUT	4 x digital inputs, high / low / rising edge / falling edge / frequency counting
ANALOG INPUT	1 x 4-20 mA or 0-10V
ALARM OUTPUT	3 x relay. Max 30V, 200mA. N/C and N/O
POWER OUTPUT	1 x 12V DC, max 1A or 24V DC, max 0,5A
NETWORK ALARMS	User configurable HTTP web requests
POWER SUPPLY	Power over Ethernet (48VDC)
CONSUMPTION	Max 12W, PoE class 3
WORKING TEMP.	-30°C to +60°C
INTERFACE	Ethernet IEEE 802.3af, TCP/IP. Web browser user interface
IP	IP66

ELECTRICAL SPECIFICATIONS

DIGITAL INPUT	12VDC, max 1A or 24VDC, max 0,5 A. Short circuit protection.
ANALOG INPUT	0-10V: Accuracy: +/- 25 mV, 12-bit resolution. 4-20 mA: Accuracy: +/- 0,05 mA, 12-bit resolution. Choose input type with DIP-switch.
DIGITAL INPUT	Max 24V. Low signal voltage: 0-1V. High signal voltage: 5-24V. Current typ. 4.4 mA @ 24V. Frequency counting: 0,2 Hz-2,5 kHz. Frequency accuracy <1%.
DIGITAL OUTPUT	Relay, max 30V, 200 mA. N/C and N/O.

MULTISPEECH KIT GJD090K



POWER SUPPLY	9-15VDC
CONSUMPTION	9mA and 38mA (while recording)
AUDIO OUTPUT	2x8W
DIMENSIONS	100x77x40mm
WEIGHT	60g
MEMORY	EEPROM
WORKING TEMP.	-10°C a +50°C

MULTISPEECH 4 KIT

Speaker:
Specially designed for amplifiers with an impedance of 8 Ohm or less

POWER	15w (max), 8 Ohm
FREQUENCY	600-700 hz
SPL	104 dB
DIMENSIONS	135x135x165mm
WEIGHT	380g



BMHP BM series BMM

MICROWAVE BARRIERS



OUTDOOR DETECTION

Sany Safe L



COVERAGE VOLUMES	From 20 m ³ up to 300 m ³
TANK AVAILABILITY	5 L - 10 L - 25 L
SANITIZATION EFFICIENCY	Low intensity: approximately 1 day Medium intensity: approximately 2 days Strong intensity: approximately 1 week
PROGRAMMING BY APP	Environment volume Sanitization intensity Sanitization time scheduling Sanitization cycle management
USER MANAGEMENT BY APP	Manual sanitization start Disable sanitization for a total of n ° of days Reactivation sanitization cycle Tank replacement management Tank level displays Display of sanitization in progress
INSTALLATION	Fixed wall mounting / moveable
POWER SUPPLY	230 Vac (110 Vac optional on request)
WITH EMBEDDED XGSM (2G) MODULE OR XGSM 4G (2G/3G/LTE/4G) MODULE	GPRS always connected to the CLOUD Programming of the configuration parameters with APP - Sany Safe User management with APP - Sany Safe Automatic time synchronization in GPRS
SIM CARD	Included and active for 2 years*
DIMENSIONS	358x264x166mm
WEIGHT	12 kg

*Available for all EU countries

Sany Safe XL



COVERAGE VOLUMES	From 100 m ³ up to 600 m ³
TANK AVAILABILITY	5 L - 10 L - 25 L
SANITIZATION EFFICIENCY	Low intensity: approximately 1 day Medium intensity: approximately 2 days Strong intensity: approximately 1 week
PROGRAMMING BY APP	Environment volume Sanitization intensity Sanitization time scheduling Sanitization cycle management
USER MANAGEMENT BY APP	Manual sanitization start Disable sanitization for a total of n ° of days Reactivation sanitization cycle Tank replacement management Tank level displays Display of sanitization in progress
INSTALLATION	Fixed wall mounting / moveable
POWER SUPPLY	230 Vac (110 Vac optional on request)
WITH EMBEDDED XGSM (2G) MODULE OR XGSM 4G (2G/3G/LTE/4G) MODULE	GPRS always connected to the CLOUD Programming of the configuration parameters with APP - Sany Safe User management with APP - Sany Safe Automatic time synchronization in GPRS
SIM CARD	Included and active for 2 years*
DIMENSIONS	480x353x166mm
WEIGHT	18,5 kg

*Available for all EU countries

- **Manufacturer of perimeter intrusion detection systems**
- **More than 15 years of experience**
 - **Worldwide distribution**
 - **Reliable quality**



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TAKEX

FLAME SENSORS



INDOOR FLAME SENSOR

FS-2000E



DETECTION:
Ultraviolet rays (180-260nm)

DISTANCE DETECTION	10m (7cm flame height), angle aperture 120°
POWER SUPPLY	10,5V to 30VDC
CONSUMPTION	Standby: 25mA / Alarm (with sound): 75mA / Without sound 40mA
SENSITIVITY ADJUSTMENT	4 stroke timer (0,2/1/6/30sec) Dry contact relay Form C (NO/NC) Contact action: off-delay (approx. 2 sec.)
ALARM	Contact capacity: 30V (AC/DC) 0,3A, (protective resistance 3,3Ω) Off delay (2sec aprox.)
TAMPER	Dry contact relay Form B (NC) Capacity: 30V (AC/DC) 0,1A
BUZZER	Alarm: intermittent every 0,2sec during 10sec Volume: 80dB (silent configuration available)
WORKING TEMP.	-10°C to +60°C

INDOOR FLAME SENSOR

FS-3500E



DETECTION:
Ultraviolet beam (180-260nm)

DISTANCE DETECTION	10m (7cm flame height), angle aperture 120°
POWER SUPPLY	Alcaline battery AA (LR6) 2 units / 3VDC (included) 10/30VDC (with polarity)
CONSUMPTION	Standby: 40mA Alarm: 300mA
ALARM	Dry contact relay (NO/NC selectable) Detection time: 2 sec aprox. Output DC30V 0,1A
TAMPER	Contact relay (NC)
MESSAGES	Programmed messages in 5 languages Buzzer included
WORKING TEMP.	-10°C to +60°C

INDOOR FLAME SENSOR

FS-1000E



DETECTION:
Ultraviolet rays (180-260nm)

DISTANCE DETECTION	10m (7cm flame height), angle: 120° (conically) Type-3 alkaline battery (LR6) x2 (3V)
POWER SUPPLY	Included lithium battery (CR17450E-R-2-CM2) x1 (3V) Optional external power supply: 9V to 30VDC with polarity
CONSUMPTION	Standby: 50 µA (with battery)/ 5mA (DC) Alarm: 50mA (with sound)
BUZZER	Alarm: intermittent every 0,2sec during 10sec Low battery: rigs 0,1sec each 5sec
ALARM	Volume 80dB (silent configuration available)
WORKING TEMP.	-10°C to +60°C

INDOOR/OUTDOOR FLAME SENSOR

FS-5000E



DETECTION:
Ultraviolet rays (180-260nm)

DISTANCE DETECTION	10m (7cm flame height) Hor.: 100° Vert.: 75°
POWER SUPPLY	10V to 30VDC
CONSUMPTION	35 mA
ALARM	Dry contact relay output form C (NO/NC) Capacity: 30V (CA/CC) 0,5A Adjustable operation time Day/night mode configuration
WORKING TEMP.	-20°C to +50°C

DUAL TECHNOLOGY PIR & FLAME SENSOR

FP-2500E



DISTANCE DETECTION

10m, angle aperture 120°
PIR: Wide angle, 10m. 29 pairs

POWER SUPPLY

10V-30VDC

CONSUMPTION

up to 20mA

ALARM OUTPUT

Individual / AND / OR

TAMPER OUTPUT

Dry contact NC

WORKING TEMP.

-15°C a +55°C

DETECTION:

PIR + Ultraviolet flame sensor (185-260nm)



Infrared and white light LED illuminators



Clarius®
LED Illuminators

More details at page 29

Spotted. Caught.



TAKEX
OUTDOOR INFRARED
PASSIVE DETECTORS

Find more details at page 13



TAKEX

DETECTORS

PA-68xx-E



	PA-6805E	PA-6810E	PA-6812E	PA-6820E
COVERAGE	180° Ø4m	360° up to Ø15,2m	Wide angle up to 12m	Vertical curtain up to 20m
SENSITIVE AREA	9 pairs	33 pairs	17 pairs	8 pairs
ADJUSTMENT	vertical 30°	-		vertical 30°
	Horizontal: 25°			
COUNTERS	1 / 2 / 3 / 4 adjustable			-
POWER SUPPLY	10,5 - 28VDC (non polarity)			
CONSUMPTION	25mA (+2mA at L/C use)			
WORKING TEMP.	-15°C a +55°C non condensing			

MS-100E



RANGE OPTIONS	Vertical installation · Wide angle: 10m (5 pairs) · Curtain: 10m (5 pairs) · Long range: 20m (1 pair) Horizontal installation · Vertical curtain: 3m (5 pairs)
POWER SUPPLY	10,5V a 30VDC (non polarity)
CONSUMPTION	30mA
WORKING TEMP.	-20°C a +50°C
TAMPER OUTPUT	Dry contact (NC)
ALARM OUTPUT	Dry contact (NO/NC)
OPTIONAL	Ceiling/wall mount brackets (BCW-401) Wall mount fittings (BW-14)

MS-12TE/FE



	MS12-TE	MS12-FE
RANGE	90° 12m	180° 12m 2 x MS-12TE
CONSUMPTION	35mA	40mA
DETECTION MODE	---	AND/OR
POWER SUPPLY	12V a 30V (non polarity)	
WORKING TEMP.	-20°C a +50°C	
TAMPER OUTPUT	Dry contact (NC)	
ALARM OUTPUT	Dry contact (NO/NC)	

OMS-12FE



DETECTION ZONE	180°, 12m Horizontal area: 14 zones Downward area: 14 zones
ALIMENTATION	9 a 28VDC (non polarity)
CONSUMPTION	20mA
TAMPER	Dry contact relay (NC)
ALARM OUTPUT	Dry contact relay (NO/NC)
WORKING TEMP.	-20°C a +50°C
OPTIONAL	Pole attachment: BP-32

OUTDOOR WIRELESS PIR

TAKEX

TX-114SR / TX-114TR / TX-114FR



RANGE	12m - 90°
POWER SUPPLY	3V to 9VDC battery
CONSUMPTION	25µA
TAMPER OUTPUT	Dry contact (NO/NC)
WORKING TEMP.	-20°C to 50°C
OPTIONAL	Wall mount accessories (BW-24) Pole attachment BP-32 (PA-22)

TX-114SR

PULSATIONS	1 or 3 times selectable
ALARM FREQ.	Selectable 10/120/300/900sec

TX-114FR

RANGE	12m - 180°
CONSUMPTION	30µA
DETECTION MODE	AND / OR selectable

LASER DETECTION

GJD provides high quality laser sensors, which offer precise and accurate presence detection

D-TECT GJD-500-505-509



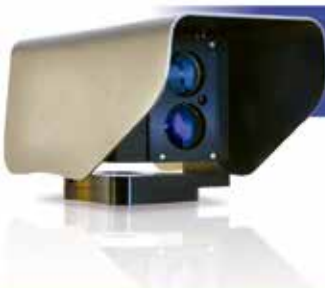
Range up to 25x25m



LASER WATCH - GJD515



Range up to 500m



More details at page 33



Residential perimeter beam towers



Industrial perimeter beam towers

Outdoor perimeter security systems

More details at page 20-21





TAGHeuer

FOG DETERRENT
SYSTEMS

 **AUS electronics**

Foggy30W



COVERAGE VOLUMES

10" activation: 100 m³
 20" activation: 200 m³
 60" activation: 300m³
 60" of pulsed activation: until 1900 m³

TANK CAPACITY

1 liter

NOZZLES AVAILABLE

1 at 90° curtain with one jet (series) /
 3 with different angles and deliveries (optional)

POWER SUPPLY

220VAC

CONSUMPTION

Heating: 600 Watt
 Maintenance: 60/120 Watt

DIMENSIONS

358 x 264 x 166 mm

WEIGHT

15kg

OUTPUT

12VDC
 Indication outputs: Delivery on - Tampering,
 liquid level, technical trouble, mains absence,
 battery level, damaged battery,
 pump malfunctioning, PCB temperature, heater
 temperature

BUS

Serial RS485 dedicated to AVS Electronics
 Systems

IMG APPROVAL

EN 50131-8

COLOR

White

Supplied with full tank and single-jet 90° nozzle

Foggy50W



COVERAGE VOLUMES

20" activation: 200 m³
 40" activation: 400 m³
 60" activation: 600m³
 60" of pulsed activation: until 1900 m³

TANK CAPACITY

1,5 liter

NOZZLES AVAILABLE

1 at 90 curtain with one jet (series) /
 3 with different angles and deliveries (optional)

POWER SUPPLY

220VAC

CONSUMPTION

Heating: 1000 Watt
 Maintenance: 60 Watt

DIMENSIONS

480 x 353 x 166 mm

WEIGHT

22kg

OUTPUT

12VDC
 Indication outputs: Delivery on - Tampering,
 liquid level, technical trouble, mains absence,
 battery level, damaged battery, pump malfunctioning,
 PCB temperature, heater temperature

BUS

Serial RS485 dedicated to AVS Electronics
 Systems

SYSTEM DIAGNOSIS

Via USB connection on the control PCB with
 GSM remote connection by optional PCB XGSM

IMG APPROVAL

EN 50131-8

COLOR

White

Supplied with full tank and single-jet 90° nozzle



Outdoor perimeter
security beam tower

easyPack



Format of pre-wired tower with the different necessary elements already fixed and wired on the tower itself, providing a complete solution that makes the installation easier by decreasing the time required to perform it, and by simplifying the work in the field: this way it will only be necessary to align the infrared beams.

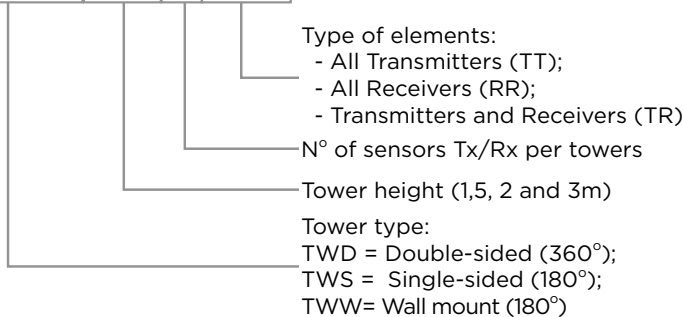
A very flexible, customizable solution that adapts to the requirements of each installation, due to the shape of the tower itself (180°/360°; floor or wall mounting, different heights) and to the detectors assembled in every single tower (quantity, brand and location within the tower).

Each easyPack product includes: an aluminium central body, a polycarbonate profile, a top cover, an aluminium base, an anti-sabotage tamper, both heaters and detectors (Tx/Rx), and a motherboard with its thermostat that is able to manage the entire system; everything installed together with the beams chosen specifically by the customer and secured by their corresponding fixing brackets.

This specific product does not include the beams, since they are customized to each particular case and sample chosen by the client.

MEANING OF REFERENCES

TWD206TR



EXAMPLES

Mounting	Type	Tx	Rx	Reference
Standalone	360°	4	0	TWD204TT
		0	4	TWD204RR
		2	2	TWD204TR
	180°	2	0	TWS202TT
		0	2	TWS202RR
		2	0	TWW202TT
Wall mount	180°	0	2	TWW202RR

TECNOLOGY BY



TAKEX

ACCESSORIES



DC12V/DC24V



TWE



TWC



TWAA



TWCAB



INT-QUAD-IP



SF1/SF2



CR3SB



TWEB
3/4



TWSM



BATTERY
PACK

PHOTOELECTRIC BEAM TOWER

PT



360° double-sided protection perimeter tower for infrared Photoelectric beams

- Compatible with 99% of AIR beams in the market.
- Height: 0,5m - 1m - 1,5m - 2m - 3m, other sizes upon request.
- Anti-sabotage tamper switch included to avoid any manipulation.
- Vandal resistant polycarbonate profiles that protects from sunlight and hide the sensors.
- The 3m version includes side bracket.
- Mounting kit.

ACCESSORIES

PTLUX PTCCTV MB3SB PTFB PTH24V PTS PTS50 FAN12/24 PTPS
PTFA DC12/24V PT4R BEAG TAKH PTSSL PTWB Battery Pack BP-TB

PHOTOELECTRIC BEAM TOWER

MB



180° single sided protection perimeter tower for infrared Photoelectric beams

- Compatible with 99% of AIR beams in the market.
- Height: 0,5m - 1m - 1,5m - 2m - 3m, other sizes upon request.
- Anti-sabotage tamper switch included to avoid any manipulation.
- Vandal resistant polycarbonate profiles that protects from sunlight and hide the sensors.
- Side brackets included with each tower. MB3SB, 70cm height side brackets included on every 3m towers
- Mounting kit.

ACCESSORIES

MB3SB MBFB PTH24V PTS PTS50 MBPS MB3R FAN12/24 PTFA
DC12/24V PTCLIP BEAG TAKH PTSSL Battery Pack BP-TB

PHOTOELECTRIC BEAM TOWER

MBW



180° wall mount protection tower for infrared Photoelectric beams

- Compatible with 99% of AIR beams in the market.
- Height: 0,5m - 1m - 1,5m - 2m - 3m, other sizes upon request.
- 2 anti-sabotage tamper switches included to avoid any manipulation.
- Vandal resistant polycarbonate profiles that protects from sunlight and hide the sensors.
- Mounting kit.

ACCESSORIES

PTH24V PTS PTS50 MBPS FAN12/24 PTFA DC12/24V
PTCLIP BEAG TAKH PTSSL Battery Pack BP-TB

MALTA



LED BULB	E27 12/24V, LED bulbs only. Bulbs are not included
CAPACITY	4 sensors of 2 beams each (consult models) For Takex twin beams.
HEIGHT	1,85m (155cm pole height + 35cm PC globe diameter)
ACCESSORIES	PTS PTS 50 MAH24V MAFB MA FAN 12/24

- Fixing kit and sabotage tamper included.

Available MALTA/2 - 2 units per box (ideal to reduce the carriage impact cost)

CAV



LED BULB	E27 12/24V, LED bulbs only. Bulbs are not included
CAPACITY	4 sensors of 2 beams each For Takex twin beams.
HEIGHT	1m (75cm pole height + 25cm top cap)
ACCESSORIES	PTS PTS 50 MAH24V MAFB MA FAN 12/24

- Fixing kit and sabotage tamper included.

Available CAV/2 - 2 units per box (ideal to reduce the carriage impact cost)

CAV-W



LED BULB	E27 12/24V, LED bulbs only. Bulbs are not included
CAPACITY	1 sensor of 2 beams, 1 Tx or 1 Rx
HEIGHT	58,45cm (33,45cm pole height + 25cm top cap)
ACCESSORIES	PTS PTS 50 MAH24V MA FAN 12/24

- Fixing kit and sabotage tamper included.

2 units per box

PHOTOELECTRIC BEAMS



OUTDOOR INFRARED REFLECTOR BEAM

PR-11B



RANGE	Outdoor 1-11m Indoor 1-15m
POWER SUPPLY	10,5 - 30VDC (non polarity)
CONSUMPTION	55mA
ALARM OUTPUT	30V(AC/DC), 0,5A
TAMPER OUTPUT	30V(AC/DC), 0,5A
TIME RESPONSE	0,05 s a 0,7 sec (regulable)
WORKING TEMP.	-25°C to +60°C
IP	IP55
FUNCTIONS	Monitor output

DETECTION: Infrared beam interruption

INDOOR INFRARED REFLECTOR BEAM

PR-5B



RANGE	5m
POWER SUPPLY	10,5 - 30VDC (non polarity)
CONSUMPTION	37mA
ALARM OUTPUT	30V(AC/DC), 0,5A
RESPONSE TIME	50 msec
WORKING TEMP.	-20°C to +50°C
MOUNTING	Indoor

OUTDOOR INFRARED REFLECTOR BEAM

PR-30BE



RANGE	0,5 up to 30m (Outdoor) 0,5 up to 40m (Indoor)
POWER SUPPLY	10,5 - 30VDC (non polarity)
CONSUMPTION	200mA or less
ALARM OUTPUT	Dry contact relay NO/NC
CONTACT CAPABILITY	30V (AC/DC) 0,25A or less
RELAY OPERATION	Interruption time
TAMPER OUTPUT	Dry contact relay (NC)
TIME RESPONSE	0,05/0,1/0,25/0,5 sec
WORKING TEMP.	-25°C to +60°C
IP	IP54

DETECTION: Infrared beam interruption (ToF technology)

SINGLE BEAM INFRARED BARRIER WITHOUT FREQUENCIES

PB-10NS



DESCRIPTION	Photoelectric beam sensor
RANGE	10m
POWER SUPPLY	10 - 30Vdc (non polarity)
CONSUMPTION	45mA
ALARM	Dry contact 30V(AC/DC) 0,3A N/O, N/C selectable Dry contact action: interruption time + delay time (aprox. 1 sec)
WORKING TEMP.	-25°C to +55°C

DETECTION: Infrared beam interruption

2 BEAMS INFRARED PHOTOBEAM SINGLE FREQUENCY

PB-30/60/100TK



DETECTION: Simultaneous breaking of 2 beams

	PB-30TK	PB-60TK	PB-100TK
RANGE	30m	60m	100m
CONSUMPTION	53mA	80mA	
POWER SUPPLY	10 - 30VDC (non polarity)		
RESPONSE TIME	50 up to 700ms (adjustable)		
ALARM/TAMPER	30V (AC/DC) 0,5A		
MODULATION	Double		
WORKING TEMP.	-25°C to +60°C		
IP	IP55		
FUNCTIONS	Circuit AGC, frost-proof enclosure		
OPTIONAL	TAKH (tower beam bracket) BP60A (pole support)		

2 BEAMS 4 FRECUENCIES INFRARED PHOTOBEAM

PB-20/40/60TE



DETECTION: Simultaneous breaking of 2 beams

	PB-20TE	PB-40TE	PB-60TE
RANGE	20m	40m	60m
CONSUMPTION	55mA	75mA	80mA
POWER SUPPLY	12 - 30VDC		
RESPONSE TIME	50 up to 700ms (adjustable)		
ALARM/TAMPER	30V (AC/DC) 0,5A		
WORKING TEMP.	-25°C to +60°C		
MODULATION	Double		
IP	IP55		
FUNCTIONS	Circuit AGC, frost-proof enclosure		
OPTIONAL	TAKH (tower beam bracket) BP60A (pole support)		

4 BEAMS INFRARED PHOTOBEAM SINGLE FREQUENCY

PB-50/100/200F



DETECTION: Simultaneous breaking of 4 beams

	PB-50F	PB-100F	PB-200F
OUTDOOR RANGE	50m	100m	200m
CONSUMPTION	75mA		
POWER SUPPLY	12 - 30VDC (non polarity)		
RESPONSE TIME	50 up to 700ms (regulable)		
ALARM/TAMPER	30V (AC/DC) 1A		
MODULATION	Double		
WORKING TEMP.	-25°C to +55°C		
IP	IP55		
FUNCTIONS	Circuit AGC, frost-proof enclosure		
OPTIONAL	Fixing bracket TAKH (tower beam mounting)		

4 BEAMS AND 4 FREQUENCIES INFRARED PHOTOBEAM

PB-IN 50/100/200HF



DETECTION: Simultaneous breaking of 4 beams

	PB-IN50HF	PB-IN100HF	PB-IN200HF
OUTDOOR RANGE	50m	100m	200m
CONSUMPTION	60mA	70mA	85mA
POWER SUPPLY	12 - 30VDC (non polarity)		
RESPONSE TIME	50 up to 700ms (adjustable)		
ALARM/TAMPER	30V (AC/DC) 1A		
ENVIRONMENTAL			
MODULATION	Double		
WORKING TEMP.	-35°C to +66°C		
IP	IP55		
FUNCTIONS	Circuito AGC, frost-proof enclosure		
OPTIONAL	Fixing bracket TAKH (tower beam mounting)		

4 BEAMS AND 4 FREQUENCIES INFRARED PHOTOBEAM

PB-IN-100AT



DETECTION: Simultaneous breaking of 4 beams or 2 lower beams

RANGE	100m
POWER SUPPLY	12 - 30VDC (non polarity)
CONSUMPTION	85mA
ALARM/TAMPER ENVIRONMENTAL	30V (AC/DC) 100mA
RESPONSE TIME	Resp. DUAL: 35 up to 500ms (AND) 100, 200, 300, 500ms
MODULATION	Double
WORKING TEMP.	-35°C to +66°C
IP	IP55
FUNCTIONS	Indicator, programmed AGC, Crawling protection , Beam power switch

4 BEAMS AND 4 FREQUENCIES INFRARED PHOTOBEAM

PXB-100ATC



DETECTION: Simultaneous breaking of 4 beams or 2 lower beams

RANGE	100m
POWER SUPPLY	12 - 30VDC (non polarity)
CONSUMPTION	Transmitter: 27mA / Receiver: 48mA
ALARM/TAMPER ENVIRONMENTAL	30V (AC/DC) 100mA
RESPONSE TIME	Resp. DUAL: 35 up to 500ms (AND) 100, 200, 300, 500ms
MODULATION	Double
WORKING TIME	-35°C to +66°C
IP	IP65
FUNCTIONS	Indicator, programmed AGC, synchro-quad or anti-crawl switch , Beam power switch, 4 selectable beam channels to prevent crosstalk

4 BEAMS AND 4 FREQUENCIES INFRARED PHOTOBEAM FOR BEAM TOWER

PB 100AT-KH

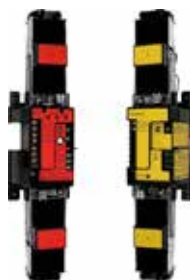


DETECTION: Simultaneous breaking of 4 beams or 2 lower beams

RANGE	100m
POWER SUPPLY	10,5 - 30VDC (non polarity)
CONSUMPTION	85mA
ALARM / ENVIRONMENTAL	1A or less
MODULATION	Double
WORKING TEMP.	-35°C to +66°C
FUNCTIONS	Programmed AGC, Verification, Crawling protection , Perfect for marine environments
OPTIONAL	TAKH (beam tower mounting)

4 BEAMS AND 4 FREQUENCIES INFRARED PHOTOBEAM FOR BEAM TOWER

PB-50/100/200HF-KH



DETECTION: Simultaneous breaking of 4 beams

	PB-50HF-KH	PB-100HF-KH	PB-200HF-KH
RANGE	50m	100m	200m
POWER SUPPLY	12 - 30VDC (non polarity)		
CONSUMPTION	50mA	60mA	70mA
ALARM ENVIRONMENTAL	30V (AC/DC) 1A		
RESPONSE TIME	50 up to 700ms (adjustable)		
MODULATION	Double		
WORKING TEMP.	-35°C to +66°C		
FUNCTIONS	Perfect for marine environments		
OPTIONAL	TAKH (beam tower mounting)		

4 BEAMS AND 4 FREQUENCIES INFRARED PHOTOBEAM FOR BEAM TOWER

TAKEX

PXB 50/100/200HF-KH



DETECTION: 4 beams simultaneous interruption

	PXB 50HF-KH	PXB 100HF-KH	PXB 200HF-KH
RANGE	50m	100m	200m
CONSUMPTION	30mA	32mA	34mA
POWER SUPPLY	12 - 30VDC		
ALARM / TAMPER ENVIRONMENTAL	30V AC/DC, 200 mA		
RESPONSE TIME	up to 700ms (adjustable)		
MODULATION	Double		
WORKING TEMP.	-35°C to +66°C		
FUNCTIONS	Modulated beam frequency selection, Tone indicator, Beam power selection, Programmed AGC, Auto-gain lock function, Wireless checker		
OPTIONAL	TAKH (tower beam mounting)		

MS-12FE
Outdoor PIR DUAL detector
180° angle opening
Suitable for pets

TAKEX
Find more details at page 27

LOW CONSUMPTION INFRARED BARRIER WITH 4 FREQUENCIES

TAKEX

PXB-100SW



DETECTION: Near infrared pulsed beam interruption system
(TX-RX 4 beam simultaneous interruption)

RANGE	100m
POWER SUPPLY	5 - 30VDC
CONSUMPTION	min 2,3 mA up to 5,2 mA (depending on voltage)
MODULATION	Double
WORKING TEMP.	-35°C to +66°C
IP	IP65
OPTIONAL	TAKH, Battery Pack (tower beam mounted)

WIRELESS INFRARED BARRIER WITH 4 FREQUENCIES

TAKEX

TXF-125E



RANGE	25, 50, 75, 100m (adjustable)
POWER SUPPLY	3,6V, 17Ah lithium battery SAFT: LS33600
CONSUMPTION	750 µA
LIFE BATTERY	5 years (aprox.)
MODULATION	Simple
WORKING TEMP.	-10°C to +50°C
IP	IP65

- **Manufacturer of perimeter intrusion detection systems**
- **More than 15 years of experience**
 - **Worldwide distribution**
 - **Reliable quality**

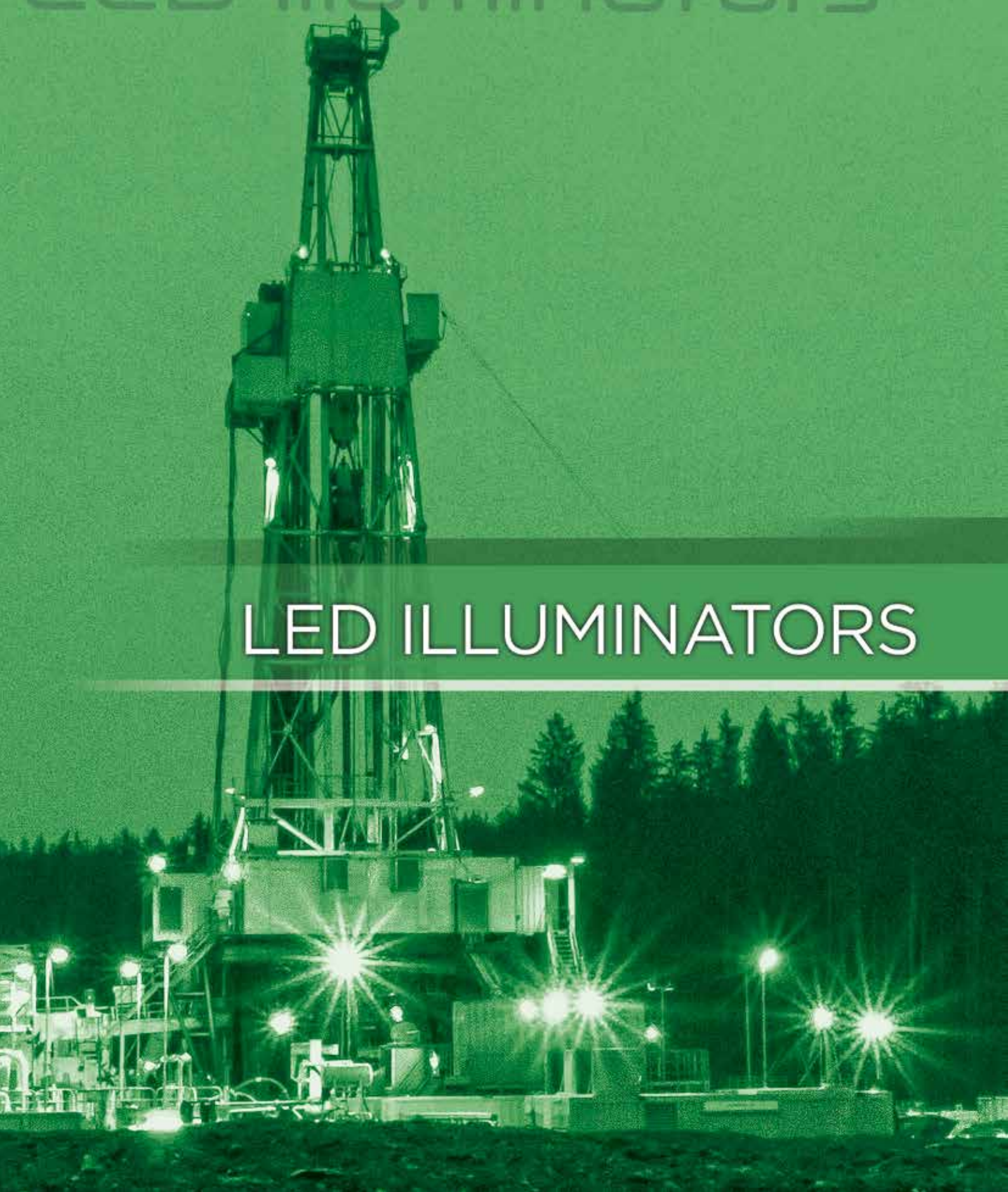


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Clarius®

LED Illuminators

LED ILLUMINATORS



Clarius PLUS



Available sizes **S M L XL**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Adjustable 20-70 lux
ILLUMINATION	Adjustable 10%-100%
WORKING TEMP.	-50°C / 50°C
MOUNTING	Wall mount bracket
POWER SUPPLY	12-32VDC or 24VAC +/-10% (except PoE)
IP	IP66
ELECTRONICS	Dual Core LED's™ OSRAM

Front Window: Polycarbonate high transmission Protective IR Filter with CleanLITE® technology

REF.	SCOPE	CONSUMPTION	POWER SUPPLY	WAVELENGTH	ANGLE
IS-8	21m up to 132m	15W	ALT 30-24	850nm	10° Circular 20° Elliptical 30° Elliptical 60° Elliptical 80° Elliptical 95° Elliptical
IM-8	30m up to 187m	26W			
IL-8	36m up to 228m	39W			
IX-8	42m up to 262m	52W	ALT 60-24		
IS-8-P	16m up to 101m	12W	any injector PoE IEEE 802.3af		
IM-8-P	30m up to 187m	25W	any injector PoE IEEE 802.3at (PoE+)		
IS-9	12m up to 81m	15W	ALT-30-24	940nm	
IM-9	20m up to 115m	26W			
IL-9	24m up to 140m	39W	ALT-60-24		
IX-9	28m up to 161m	52W			
IS-9-P	9m up to 62m	12W	any injector PoE IEEE 802.3af		
IM-9-P	20m up to 115m	25W	any injector PoE IEEE 802.3at		

Clarius PLUS DUAL



Available sizes **L XL**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Adjustable 20-70 lux
ILLUMINATION	Adjustable 10%-100%
WORKING TEMP.	-50°C / 50°C
MOUNTING	Wall mountbracket
POWER SUPPLY	L version: 12-32VDC/24V AC+/-10%
	XL version: 12-32VDC/24V AC+/-10%
	Input current: 3,2A at 24V
	Input current: 4,4A at 24V
IP	IP66
ELECTRONICS	Dual Core LED's™ OSRAM

Front Window: Polycarbonate high transmission Protective IR Filter with CleanLITE® technology

REFERENCE	SCOPE	CONSUMPTION	POWER SUPPLY	WAVE LENGTH	ANGLE
IL2-8-DUAL	51m up to 319m	L version 78W	Not included, recomended: ALT-100-24	850nm	10° Circular 20°/30°/60°/ 80°/95° Elliptical
IL2-9-DUAL	34m up to 196m	XL version 104W		940nm	

Clarius LT



Available sizes **S M**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Predefined 50 lux
WORKING TEMP.	-50°C / 50°C
MOUNTING	Wall mountbracket
POWER SUPPLY	12-32VDC +/-10%
IP	IP67
ELECTRONICS	Dual Core LED's™ OSRAM

Front Window: Polycarbonate high transmission Protective IR Filter with CleanLITE® technology

REF.	SCOPE	CONSUMPTION	POWER SUPPLY	ANGLE
IS-830-LT	20m	12W	ALT-30-24	30°
IM-830-LT	45m	20W		
IS-890-LT	15m	12W		90°
IM-890-LT	25m	20W		

INFRARED LED ILLUMINATOR

Clarius®
LED Illuminators

Clarius IP

Available sizes **M**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Predefined 50 lux
WORKING TEMP.	-50°C / 50°C
MOUNTING	Wall-mounting bracket
POWER SUPPLY	PoE+ (IEEE802.3at)
IP	IP66
ELECTRONICS	Dual Core LED's™ OSRAM
CONSUMPTION	25W

Front Window: Polycarbonate high transmission
Protective IR Filter with CleanLITE® technology

REFERENCES	SCOPE	WAVELENGTH	POWER SUPPLY	ANGLE
IM-8- IP	30m up to 187m	850nm	Any injector PoE	10° Circular
IM-9-IP	20m up to 115m	940nm	IEEE 802.3at	20°/30°/60° Elliptical

WHITE LIGHT LED ILLUMINATOR

Clarius®
LED Illuminators

Clarius PLUS

Available sizes **S M L XL**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Adjustable 20-70 lux
ILLUMINATION	Adjustable 10%-100%
WORKING TEMP.	-50°C / 50°C
MOUNTING	Wall-mountin bracket
POWER SUPPLY	12-32VDC or 24VAC +/-10% (except PoE)
IP	IP66
ELECTRONICS	Dual Core LED's™ OSRAM
COLOR TEMP.	5700k (6000k and 6800k on request)

Front Window: Polycarbonate high transmission
Protective IR Filter with CleanLITE® technology

REFERENCES	SCOPE	LUMENS	CONSUMPTION	POWER SUPPLY	ANGLE
VS-CW	20m up to 81m	1200lm	15W	ALT 30-24	10° Circular
VM-CW	29m up to 114m	2400lm	26W		20° Elliptical
VL-CW	35m up to 139m	3600lm	39W	ALT 60-24	30° Elliptical
VX-CW	42m up to 262m	4450lm	52W		60° Elliptical
VS-CW-P	17m up to 68m	1100lm	12W	any injector PoE IEEE 802.3at	80° Elliptical
VM-CW-P	29m up to 114m	2400lm	25W		95° Elliptical

WHITE LIGHT LED ILLUMINATOR

Clarius®
LED Illuminators

Clarius PLUS DUAL

Available sizes **L XL**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Adjustable 20-70 lux
ILLUMINATION	Adjustable 10%-100%
WORKING TEMP.	-50°C / 50°C
MOUNTING	Wall mountbracket
POWER SUPPLY	L version: 12-32VDC/24V AC+/-10% Input current: 3,2A at 24V XL version: 12-32VDC/24V AC+/-10% Input current: 4,4A at 24V
IP	IP66
ELECTRONICS	Dual Core LED's™ OSRAM
COLOR TEMP.	5700k (6000 and 6500k on request)

Front Window: Polycarbonate high transmission
Protective IR Filter with CleanLITE® technology

REFERENCES	SCOPE	LUMENS	CONSUMPTION	POWER SUPPLY	ANGLE
VL2-CW	49m up to 195m	7200lm	L version 78W	Not included, recomended: ALT-100-24	10° Circular
VX2-CW	56m up to 223m	9600lm	XL version 104W		20°/30°/60°/ 80°/95° Elliptical

Clarius IP



Front Window: Polycarbonate high transmission
Protective IR Filter with CleanLITE® technology

Available sizes **M**

CONSTRUCTION	Robust high quality black anodised aluminium extrusion
PHOTOCELL	Predefined 50 lux
WORKING TEMP.	-50°C / +60°C
MOUNTING	Wall-mounting bracket
POWER SUPPLY	100-240VAC IEEE802at Compliant, TCP/IP (PoE)
IP	IP66
ELECTRONICS	Dual Core LED's™ OSRAM
COMSUPTION	26W
COLOR TEMP.	5700 K (6000 and 6500 k on request)

REFERENCES	SCOPE	LUMENS	POWER SUPPLY	ANGLE
VM-CW-IP	29m up to 114m	2400 lm	Any injector PoE IEEE 802.3at	10° Circular 20°/30°/60°/80°/95° Elliptical



Foggy 50W
Fog deterrent system



LASER DETECTORS



D-TECT



	GJD500 D-TECT	GJD505 D-TECT	GJD509 D-TECT
RANGE	25x25m	5x5m	10x10m
POWER SUPPLY	10V to 35VDC		
CONSUMPTION	1,8A		
CABLE LENGHT	10m		
OBJECTIVE SIZE (min)	2,1cm at 3m/3,5cm at 5m/7cm at 10m/17,5cm at 25m (in proportion to the distance of the object)		
LASER CHARACTERISTICS	Wavelength 650 nm; max. output CW power 3 mW (CLASS 3R) IR LASER: wavelength 905 nm; max. output pulse power 75 W (CLASS 1)		
IP	IP65		
RESPONSE TIME	20-80ms		
ROTATION ANGLES ON BRACKETS	Rotation: -5° up to +5° (lockable) Inclination: -5° up to +5°		

LASER WATCH GJD515



RANGE	500m
POWER SUPPLY	PoE 48VDC or 12VDC
UPDATE RATE	250Hz
LASER WAVELENGTH	905nm
BEAM DIVERGENCE	2,0x0,2m RAD
ALIGNMENT LASER	Yes
LASER CLASS	Class 2, eye-safe
CONSUMPTION	4W PoE class 2 / 12VDC 0,1 A
IP	IP66
INTERFACE	Ethernet IEEE 802. 3af, TCP/IP, interface with WEB browser



FP-2500E



FS-3500E



FS-2000E



FS-5000E



Flame sensors

indoor & outdoor ultra-violet flame detection

Find more details at page 9

TAKEX



PB-IN-HF



Laser-Watch



easyPack



Foggy 30w



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GJD
DETECT & DETER

AUS electronics

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