

Intrusion

Outdoor protection
perimeter





Airports



Warehouses



Military bases



Commercial industrial



VIP estates/residences



Communications

Quicker and earlier responses to intrusion events help avoid damages to your property.



Borders

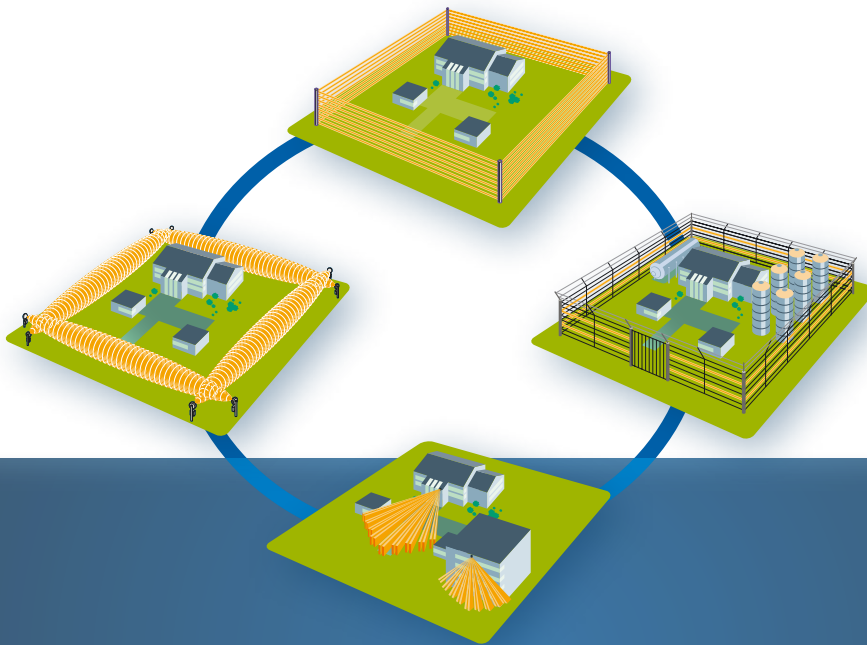


Correctional institutions

Perimeter sensors: the ideal solution for all your outdoor security needs

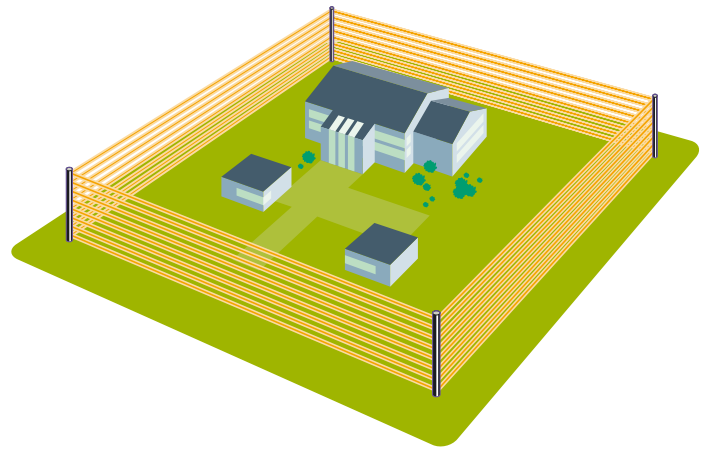
As part of UTC F&S' comprehensive portfolio of fire and security products, our perimeter sensors help you to protect the outside of your premises.

Outdoor environments can be unstable and easily affected by changes in the weather and unpredictable moving objects. Our perimeter systems allow you to have advanced warning and quicker response to events, subsequently reducing any risks of potential damage.



We can find the most suitable solution to meet your needs, be it for a large or small application.

Depending on the outdoor environment and its size, we can find the most suitable solution to meet your needs.



SB & PB series

The SB and PB series of active infrared beams detect intruders as soon as they enter a protected area and before they can reach people or gain access to valuable assets. Active infrared beams provide a high level of security for all applications. The installation time is reduced by providing beams which are easily aligned. Additional complementary accessories help create the ideal solution for your needs.

Crossing the active infrared beams that surround the designated protected area triggers an alarm.

Advantages

- Protection of a specifically designated field while maintaining freedom of movement for those inside
- Unaffected by electromagnetic waves and signals
- Modular system for both beams and pillars

Accessories



SB11/16/21/26/31
Kit for 2-sided view



SB53
Socket for SB series pillar

Active infrared beams



SB series

Beams

Features

- Receiver and transceiver in one module
- No gaps in detection between modules thanks to interconnectivity option (available for all models except SB4200-N)
- Integrated alignment tool (visual/audio)
- On board regulated heater
- 4 selectable channels
- Disqualification
- Full range of pillars and accessories available

Order code

SB250-N	AIR stand alone twin beam, 50m range
SB2100-N	AIR stand alone twin beam, 100m range
SB450-N	AIR stand alone quad beam, 50m range
SB4100-N	AIR stand alone quad beam, 100m range
SB4200-N	AIR stand alone quad beam, 200m range



PB series

Beams

Features

- 2/4 beam active infrared (AIR)
- Outdoor range up to 200 m
- 4 selectable channels
- Disqualification
- Even range of beams without the cover allowing direct fit in a beam tower

Order code

PB501	Twin AIR beam 20m outdoor/40m indoor
PB511	Twin AIR beam 40m outdoor/80m indoor
PB521	Twin AIR beam 60m outdoor/120m indoor
PB601	Outdoor Quad AIR beam 50m
PB611	Outdoor Quad AIR beam 100m
PB621	Outdoor Quad AIR beam 200m



Pillars

Features

- Aluminium chassis
- Tamper switch included
- Base and cover included
- Cover support with clips and guide hoop
- 2 sided (360° view) convertible

Order code

SB10	Empty pillar 1 m
SB15	Empty pillar 1.5 m
SB20	Empty pillar 2 m
SB25	Empty pillar 2.5 m
SB30	Empty pillar 3 m



Pillars

Features

- 180° and 360° versions
- Ranging from 1m to 3m in height
- Comprehensive range of accessories allowing you to build your ideal solution

Order code

PB10	1m – 180° AIR beam tower
PB15	1.5m – 180° AIR beam tower
PB20	2m – 180° AIR beam tower
PB30	3m – 180° AIR beam tower
PB11	1m – 360° AIR beam tower
PB16	1.5m – 360° AIR beam tower
PB21	2m – 360° AIR beam tower
PB31	3m – 360° AIR beam tower



SB18

AIR pillar climbing detector



PB50-H

12V non polarity heater 250mA for beam tower



PB50-T

Thermostat for beam tower



PB50-AC180 PB50-AC360

Anti climb top tamper for 180°/360° beam towers



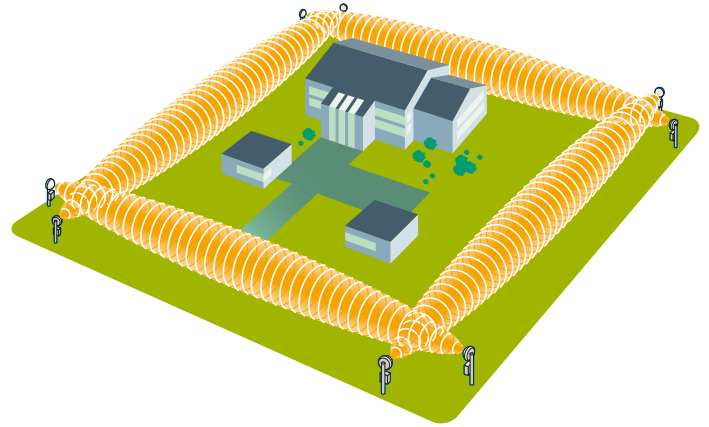
SB52

Power supply 230VAC to 12VAC & 12VDC



BS121N

Sealed lead-acid battery 12V 1.2Ah VdS approved



MRW series

The MRW series microwave barriers are X-band microwave outdoor motion sensors used in high risk applications where the presence of the intruder absolutely needs to be reported, such as in prisons, military compounds and correctional institutions. Our dependable microwave technology products are unaffected by fog and heavy rain.

The microwave field created between transmitter and receiver surrounding the designated area detects intruders and can distinguish between their size and speed.

Advantages

- Unaffected by fog and heavy rain
- Covers large detection zone
- Use for high security applications

Outdoor microwave sensors



MRW series

Features

- Range: 50, 100 & 200 m
- Easy to align with optional alignment tool
- Delivered with post-clamps and cable-conduit
- Battery back up

Order code

The Netherlands, Belgium, UK, Denmark, Italy, Sweden, Ireland, Poland, Norway, Finland

MRW50-F1	Outdoor microwave motion sensors, 10.5 GHz, 50m
MRW100-F1	Outdoor microwave motion sensors, 10.5 GHz, 100m
MRW200-F1	Outdoor microwave motion sensors, 10.5 GHz, 200m

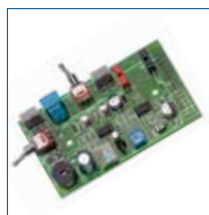
France, Austria, Portugal, Czech Republic

MRW50-F2	Outdoor microwave motion sensors, 9.9 GHz, 50m
MRW100-F2	Outdoor microwave motion sensors, 9.9 GHz, 100m
MRW200-F2	Outdoor microwave motion sensors, 9.9 GHz, 200m

Spain, Luxembourg

MRW50-F4	Outdoor microwave motion sensors, 10.525 GHz, 50m
MRW100-F4	Outdoor microwave motion sensors, 10.525 GHz, 100m
MRW200-F4	Outdoor microwave motion sensors, 10.525 GHz, 200m

Accessories



MRW01
Alignment tool



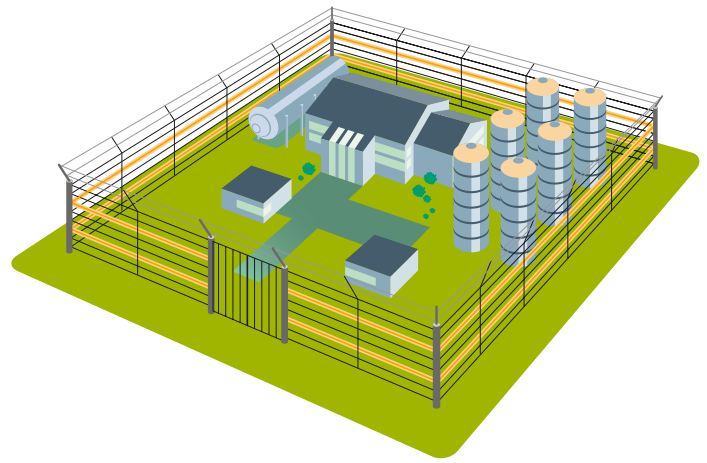
MRW02-N
Power supply
230 VAC/19 VAC
with IP66 enclosure



MRW03
Pair of inox poles
120cm



BS122N
Sealed lead-acid
battery 12V 2.2Ah



DF series

Our DF series is a unique strain-sensitive intrusion detection system for outdoor perimeter security applications where a fence is already in place. Using signals generated by the minute flexing of a coaxial sensor cable, specific characteristic intrusion signatures are detected and analysed by a powerful microcomputer-based signal processor. In applications where the coaxial sensor cable is installed on a chain link or mesh fence, an intruder attempting to cut, climb over or lift the fence will be immediately detected.

By using a microphonic cable in the security application, an intruder attempting to climb over, cut or lift a fence, will immediately generate an alarm signal.

Advantages

- Ideal solution where there is a fence in place
- Cost effective
- Use for indoor and outdoor applications
- Unaffected by weather conditions (rain, fog and ice)
- Network option available for outdoor applications

Fence & roof protection sensors

Fence protection



DF951

Features

- Sensor processing capability for two independent zones, each with up to 300 m (984 ft.) of active sensor cable
- Adaptive Algorithms virtually eliminate environmental nuisance alarms
- Configurable with laptop PC via direct USB connection or over the sensor network
- Built in audio module
- Compatible with existing Intelli-Flex® installations
- Detection parameters can be set and optimized independently for each zone
- Built in relays; optional network communication cards
- IP66/NEMA 4 Enclosure

Network option

Features

- Allows remote diagnostic facility and alarm collection
- Includes several management tools (Plot tool, Event Log tool, etc.) for centralized system monitoring and configuration
- Provides the choice of USB, Ethernet, or EIA-232 for connecting to the PC
- Redundant configuration option for critical applications available

Order code

DF955-C1	Multi-mode fiber (MMFO) comm card
DF955-C2	EIA-422 copper comm card
DF955-U	Fence protection network interface unit
DF955-SW	Network manager SW CD
KTP-12DCU-UK	Switching power supply, 1A, 12VDC



DF851

- Microphonic technology
- Uniform sensitivity over the entire length
- Easy to repair
- No special tools required for connections
- Can be used in conjunction with non-sensing coax
- No special handling or preparation are required
- Range of accessories available
- Can be run directly to a FlexPS/FlexPI processor

Roof / Wall protection



DF450*

- Detects shock, impact and sustained attack
- Used on walls, roofs, ceilings, stock cages, floors and pipes
- Microphonic technology
- Selectable frequency response
- Up to 1,115 m² coverage per zone
- Built-in calibration indicator
- Can be configured using DIP switches or UCM software via USB
- Low power consumption

*DF450 indoor processor shares same accessories and microphonic cable as DF951

Accessories



DF950-CM

Universal Configuration Module (UCM) Software kit with interface cable



DF863

Splice and terminator kit for microphonic cable



DF852

Non-sensitive lead-in cable for microphonic sensor cable, 30m roll



DF962

Quick disconnect gate assembly kit



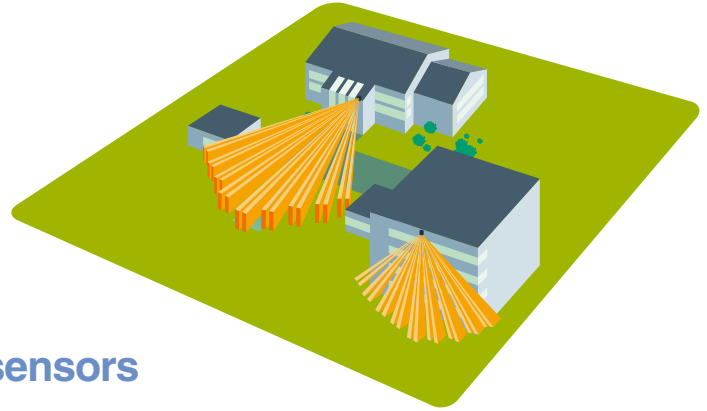
DF963

Gate bypass module, locally activated by keyswitch



DF964

Gate bypass module, remotely activated by computer control



Wired & wireless outdoor motion sensors

The wired DI601 and 6910P, as well as the wireless TX-2810-03-4 and TX-2821-03-4, are outdoor PIR motion sensors and alarm triggers that use two independent passive infrared detectors. They use quad pyro technology to deliver precise, reliable presence detection.

The wired DDI602 series, 6920P and 6921P are outdoor dual technology motion sensors and alarm triggers that uses two independent passive infrared detectors plus a microwave sensor module. All three of these sensors must be triggered in order for the detector to signal an alarm.

All these products are designed for use in pre-alarm systems.

The hardwired variants can also be connected directly to a CCTV system, whereas the wireless variants will report the intrusion event back to the panel that needs to trigger the CCTV system.

Use PIR or dual technology
to detect on the outside
to protect what is on the inside.

Advantages

- Reliable solution for commercial and residential applications to generate a pre-alarm
- Hardwired variants can automatically switch the CCTV system on, when required
- Extremely flexible mounting characteristics
- Easy to install technology

Accessory



DI601-WT

Walk tester for DI601
and DDI602 series

Outdoor motion sensors



DI601, DDI602 series

Features

- Technology used: Fresnel PIR (DI601) plus X-band radar (DDI602 Series)
- Electronic range setting: 10/20/30m
- Mounting height up to 6m
- Operating temperature : -30° to +65°C
- 10 to 70° detection angle
- 180° pan & 90° tilt for flexible installation
- Sensor module is hidden
- Built-in selectable EOL resistor values
- High dust and humidity resistance (IP65)
- 5 year warranty

Order code:

DI601	Outdoor PIR 10/20/30m - 33/66/98ft selectable
DI601-WT	Walk tester for DI601 and DDI602 series
DDI602-F1	Outdoor dual technology detector 10.525 GHz 10/20/30m - 33/66/98ft selectable
DDI602-F2	Outdoor dual technology detector 10.587 GHz 10/20/30m - 33/66/98ft selectable
DDI602-F3	Outdoor dual technology detector 9.9 GHz 10/20/30m - 33/66/98ft selectable



TX-2810-03-4

Features

- Technology used: Fresnel PIR
- Built-in UTC Fire &Security 860AM Gen2 transmitter module
- Electronic range setting: 10/20/30m
- Mounting height up to 6m
- Operating temperature : -25° to +65°C
- 10 to 70° detection angle
- 180° pan & 90° tilt for flexible installation
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 3 years battery life, extendable to 5 years

Order code:

TX-2810-03-4	Wireless outdoor PIR 868AM Gen2
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6910P, 6920P, 6921P

Features

- Technology used: Fresnel PIR (6910P) plus X-band radar (6920P, 6921P)
- Attractive aesthetics
- 14 to 70° detection angle
- 90° pan & 45° tilt for flexible install
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 5 years warranty

Order code:

6910P	Mini outdoor PIR
6920P	Mini outdoor dual (10.525 GHz)
6921P	Mini outdoor dual (10.587 GHz)



TX-2821-03-4

Features

- Technology used: Fresnel PIR
- Built-in UTC Fire &Security 860AM Gen2 transmitter module
- 14 to 70° detection angle
- 90° pan & 45° tilt for flexible install
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 3 years battery life, extendable to 5 years

Order code:

TX-2821-03-4	Wireless mini outdoor PIR 868AM Gen2
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UTC Fire & Security

A United Technologies Company

Safety | **Security** | Certainty

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United Technologies Corporation (UTC) is a diversified company that provides a broad range of high technology products and services to the global aerospace and building systems industries. Its businesses include **Carrier** heating, air-conditioning and refrigeration solutions; **Hamilton Sundstrand** aerospace and industrial systems; **Otis** elevators and escalators; **Pratt & Whitney** engines; **Sikorsky** helicopters; and **UTC Fire & Security** systems. The company also operates a central research organisation that pursues technologies for improving the performance, energy efficiency and cost of UTC products and processes. UTC is a member of the Fortune 50, the Dow Jones Industrial Average and the Dow Jones Sustainability Indexes.

UTC Fire & Security is a leading provider of fire safety and electronic security solutions that protect people, property, and assets the world over. Its employees share a commitment to help create safe and secure environments that allow people to live with certainty. With an extensive portfolio of products including fire detection, intrusion detection, access control, and video surveillance, UTC Fire & Security is well-positioned to meet the needs of a broad range of customers.

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