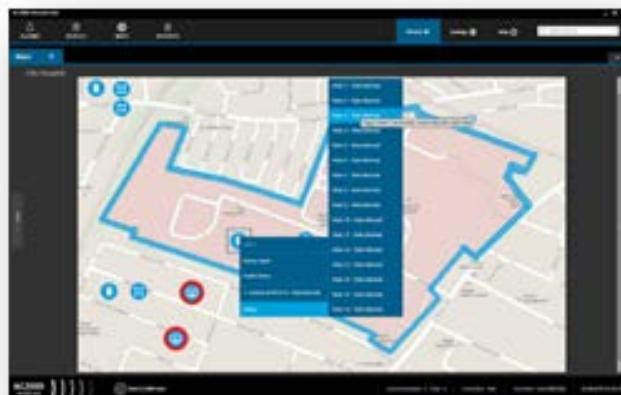


CEM Systems AC2000 Southwest Microwave Interface – INTREPID™ Series II perimeter intrusion detection system



Key Features

- Single interface for perimeter detection and access control
- Monitor perimeter and receive alarms and statuses of nodes, I/O and modules in AC2000 Security Hub
- Acknowledge and cancel alarms
- Alert security guards of potential breaches
- If external CCTV systems are also integrated, AC2000 video alarm popup feature based on priority or time can be activated
- Perimeter maps can be positioned in AC2000 Security Hub alongside access control readers and associated cameras
- Perimeter Configuration tool to assist with easy incorporation into AC2000, and advanced alarms association
- Alarm service allows complete synchronisation of alarms and events from Intrepid II RPM II System controllers to AC2000

Integrated perimeter detection

The AC2000 Southwest Microwave interface for perimeter detection allows alarms and events, detection systems and zones from Southwest Microwave's INTREPID™ Series II perimeter intrusion detection system (PIDS) to be incorporated into AC2000. This enables AC2000 to act as the central Security Management System (SMS).

Southwest Microwave's INTREPID Series II perimeter intrusion detection system is designed to display, monitor and control alarm/event signals from individual or multiple perimeter sensor systems, on a single site or group of sites using configured Zones and Sensor Lines.

The interface seamlessly integrates AC2000 with INTREPID Series II Remote Polling Module II (RPM II) System Controllers, which can be composed of several different perimeter modules, giving the operator a range of acknowledge and cancel facilities. Any module integrated to the INTREPID Series II RPM II System Controller can also be monitored by AC2000. This allows AC2000 system operators to acknowledge and cancel alarms recorded by Southwest Microwave perimeter detection systems.

The interface allows a user to fully integrate the power of Southwest Microwave's INTREPID Series II perimeter intrusion detection systems into the central AC2000 Security Hub application. AC2000 Security Hub is a powerful alarm monitoring application and enables all alarms, events and associated video footage to be displayed centrally on the AC2000 system.

The integration supports MicroPoint II (PM II) Fence detection systems, MicroTrack II (MTP II) buried cable detection systems, Auxiliary Input Module II (AIM II) and Microwave 330 (MW330) digital microwave links showing customisable alarms as they occur in AC2000 Security Hub. The integration also supports customisable remote triggering of relays on a Relay Output Module II (ROM II-16 and ROM II-8) from AC2000 Security Hub (e.g. opening gates, turning on floodlights, etc).

Perimeter detection alarms

Once RPM II module alarms are generated, the AC2000 Southwest Microwave interface will forward alarms and events to the AC2000 security management system.

Alarms will then flash on the AC2000 Security Hub graphical maps, showing an accurate representation of perimeter alarm location and details.

When RPM II alarms and events are present in AC2000 Security Hub, an operator can acknowledge and cancel them.

Recorded video

When the security management system is integrated with external CCTV systems, the user can associate cameras with alarms and events generated by detection systems and Zones. Users can then view recorded footage of any of these alarms and events in the AC2000 Video Viewer application.

Live Video Popup

When the security management system is integrated with external CCTV systems Alarms and events from the Southwest Microwave INTREPID Series II interface can be used to activate the AC2000 Video Popup application. Live video popup is available based on alarm priority or time. This allows instant access to live video for chosen alarms and is used with a queuing system. This allows the operator to easily view live feeds when multiple alarms are received and prioritise alarms.

Triggering outputs

Additional actions can be executed when an alarm is triggered such as automating notifications to security personnel. I/O Relays can be triggered on attached I/O modules to allow incorporation of auxiliary devices and interfaces to external systems.

Advanced and seamless reporting

The AC2000 system has advanced reporting functionality and can enable system operators to view archived Southwest Microwave perimeter detection alarm and event reports in the AC2000 Reports application.

Ease of configuration application

The Perimeter Configuration tool provides easy incorporation into AC2000. The extensive graphic mapping tools enable clear association of sensors, detection zones and alarm information with the user's site maps in AC2000 Security Hub, optimizing visual assessment capability, and advanced alarms association. Perimeter maps can be positioned in AC2000 Security Hub alongside access control readers and associated cameras for ease of use.

INTREPID Series II detection technologies

MicroPoint™ II Fence Detection System

INTREPID™ MicroPoint™ II is a perimeter fence detection system for applications where the detection of cut or climb attempts is required. MicroPoint™ II precisely locates intrusion attempts to within 3 meters (10 ft) while ignoring harmless disturbances caused by wind, rain or vehicle traffic. MicroPoint™ sensor cable attaches to existing fences of all types to detect climbing, cutting or lifting of the fence.

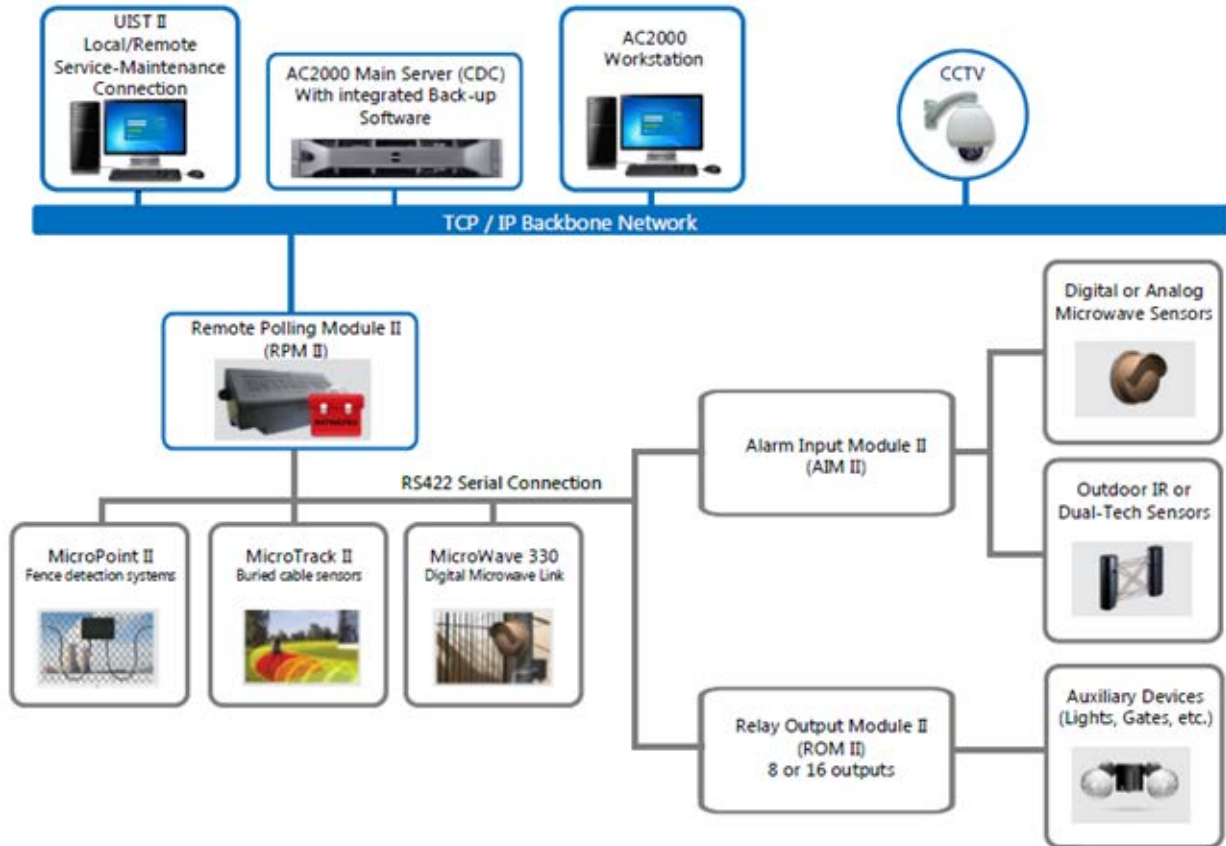
MicroTrack™ II Buried Cable Detection System

INTREPID™ MicroTrack™ II is a buried cable intrusion detection system for applications where covert perimeter protection is essential. It is a volumetric, terrain-following sensor that reliably detects and precisely locates walking, running or crawling intruders along a facility's perimeter in all weather conditions, while environmental disturbances are ignored.

With a coverage range of 400 meters (1312 ft) per processor, the system consists of a MicroTrack™ II processor unit and two sensor cable pairs that may be buried along a facility's perimeter in soil, asphalt or concrete. A detection field is created around the sensor cable pair, enabling the detection of intrusions.

MicroWave 330 Digital Microwave Link

INTREPID™ MicroWave 330 is a volumetric perimeter detection system for fence lines, open areas, gates, entryways, walls and rooftop applications and offers a detection range of up to 457m. The MicroWave 330 volumetric sensor generates an RF field between transmitter and receiver to detect crawling, rolling, walking or running intrusion attempts in all weather conditions while providing high resistance to nuisance alarms.



Requirements

AC2000 AC2000 Airport	V6.8/ V6.9	V7.0	V7.1	V8.0	V10.0	V10.1	V10.2
Southwest Microwave Interface	-	-	-	-	RPM IP Protocol v0	RPM IP Protocol v0	RPM IP Protocol v0

(For other AC2000 versions please contact cem.sales@tycoint.com)

- AC2000 Security Hub and Video Viewer (available from AC2000 v7.1 Service Pack 1 upwards)
- Compatible with Remote Polling Module II (RPM II) system controllers via TCP/IP SDK connections and the following Intrepid II modules attached to an RPM II:
 - MicroPoint II (PM II) Fence detection systems:
 - MicroTrack II (MTP II) buried cable detection systems
 - Microwave 330 (MW330) digital microwave links
 - Relay Output Module II (ROM II-16 and ROM II-8)
 - Auxiliary Input Module (AIM II)

Ordering Information

Product Code	Description
SWINT-SWMICRO	Southwest Microwave Interface

To order contact cem.sales@tycoint.com or call +44(0) 2890 456 767

Related Products



- AC2000
- AC2000 Airport

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit www.cemsys.com or follow CEM Systems on LinkedIn and Twitter.