

INTREPID™ SERIES I vs. SERIES II

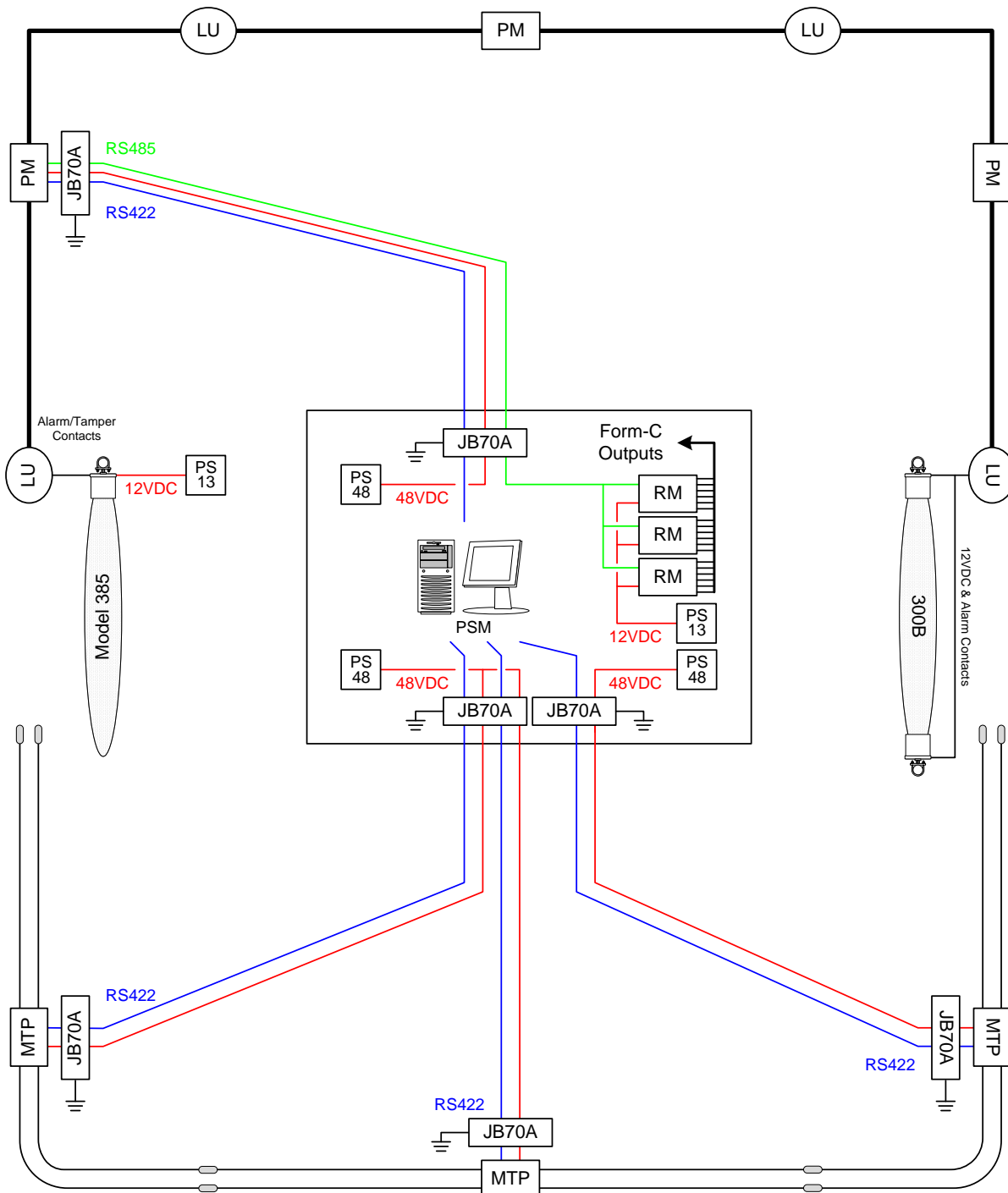
Why is INTREPID™ Series II a SMARTER choice for my customer?

1. Series II offers simpler sensor configuration with *Universal Installation Service Tool II* software.
2. Common RS-422 communication protocol allows simple interconnection of all Series II devices.
3. Series II offers more flexible device and controller options to better address budgetary and project requirements.
4. Series II hardware can be easily configured to address a range of security requirements and site characteristics.
5. *Auto-Discovery* feature automatically detects Series II devices on controller setup.
6. A common SDK for all Series II devices simplifies third party device integration.
7. GCM II controller displays multiple systems on a common graphic map.
8. Common DC power (10.5 to 60 VDC) is specified for all Series II devices.
9. *MicroWave 330* Digital Microwave Link addresses specifications that call for remote set-up or networking capability for microwave sensors.
10. INTREPID™ Series II is the most flexible, cost-effective perimeter detection system on the market today.

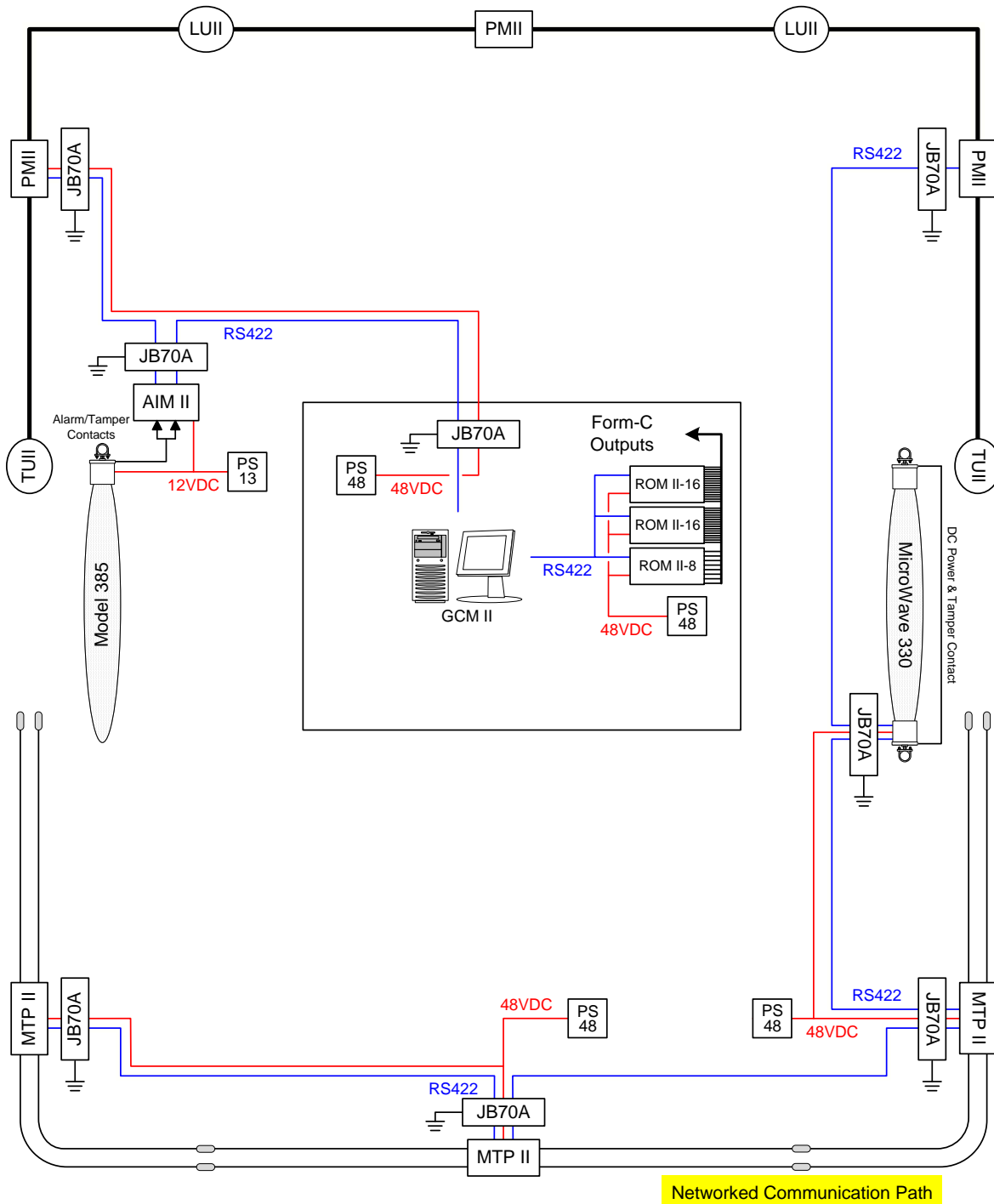
In what circumstances would I continue to specify INTREPID™ Series I systems?

1. INTREPID™ Series I is the existing standard on site. Customer wishes to maintain a single standard, and logistics will not support an upgrade to Series II at this time.
2. Customer's security management system is integrated with INTREPID™ Series I TPI / SDK. Customer's budget will not support development of a Series II integration solution at this time.
3. The specification requires external inputs at the Link Units.
4. A remote connection to the system and / or multiple locations are required for graphical alarm monitoring, and PSM software is outside of the Customer's budgetary parameters.

INTREPID™ SERIES I: BASIC CONFIGURATION DRAWING



INTREPID™ SERIES II: BASIC CONFIGURATION DRAWING



INTREPID™ SERIES I vs. SERIES II: GENERAL SYSTEM FEATURES

| | SERIES I | SERIES II |
|--|--|--|
| Alarm location to 3 m / 10 ft | Yes | Yes |
| <i>Sensitivity Leveling™</i> for uniform detection sensitivity across protected area | Yes | Yes |
| <i>Point Impact Discrimination™</i> for nuisance alarm rejection | Yes | Yes |
| Integration with Southwest Microwave's legacy sensors | Yes | Yes |
| Integration with CCTV for precise assessment of alarms | Yes RM, PSM, TPI/SDK | Yes ROM II, RCM II, CM II, GCMII (ASCII), PSM, SDK |
| Remote administration of sensors | MicroPoint™ Cable MicroTrack™ | Using CM II, GCM II Controllers |
| Software-based integration to third-party security management systems | TPI - MicroPoint™ Cable SDK - MicroTrack™ | Common SDK |
| Communication protocol | Unique for each sensor type | Universal |
| Installation / service software | Unique service tool for each sensor | Universal Installation / Service Tool (UIST II) |
| Voltage range | Varies by device type | Universal (10.5 - 60VDC) |
| Alarm Response Time | Variable (< 1 sec per system) | Predictable 125 ms / device (up to 8 devices) |
| Maximum Number of Devices on a Single Communication Bus | MicroPoint™: 8 PMs MicroTrack™: 1 MTP | RCM II: 8 devices CM II: 16 devices GCM II: 32 devices PSM: 240 devices SDK: Unlimited |

INTREPID™ SERIES I vs. SERIES II: SYSTEM CONTROLLERS

| | SERIES I | SERIES II |
|--|------------------------|--------------------------------------|
| <p>Relay Control Module This control module offers smaller facilities with cost-effective local control of first-generation INTREPID™ MicroTrack™, contact-closure auxiliary security devices and CCTV equipment or other security inputs.</p> | √ | N/A |
| <p>Basic Map Monitor / Advanced Map Monitor Windows-based monitoring software for MicroPoint™ Cable System. On-screen GUI with display of alarms to within 3 m. Basic alarm reports. Five language capability. Alarm Tagging. Single or multi-site use. Single or multiple PC use. 70 zones maximum. Requires user PC. Consult data sheet for minimum technical requirements.</p> | √ | N/A |
| <p>Relay Control Module II This control module offers smaller facilities with cost-effective local control of new-generation INTREPID™ devices, contact-closure auxiliary security devices and CCTV equipment or other security inputs. Simple zone record setup via terminal emulator. 8 on board relays. Connects up to 8 devices.</p> | N/A | √ |
| <p>Control Module II Relay-based system control module designed to offer facilities with local control of new-generation INTREPID™ devices, contact closure auxiliary security devices and CCTV equipment or other inputs. Features zone assignment and management via Controller Setup Tool II (CST II) terminal emulator. Supports multiple languages and auto-discovery of all connected devices. Connects up to 16 devices and 256 zone records.</p> | N/A | √ |
| <p>Graphic Control Module II Dedicated, Linux-based system controller, offering local GUI-based alarm monitoring and control of new-generation INTREPID™ devices and contact-closure auxiliary security devices, CCTV equipment or other security inputs. Supports multiple languages, auto-discovery of all connected devices. 256 user accounts, connects up to 32 devices, 1024 zone records. ASCII output for serial CCTV interface. Hardened or standard versions available.</p> | N/A | √ |
| <p>Perimeter Security Manager Advanced, Windows-based security monitoring and control system for large or multi-site facilities. Local or remote GUI-based alarm monitoring and control of INTREPID™ devices and contact-closure auxiliary security devices. High level interface to CCTV, incorporating live video and maps on a single display. Installable on user PC. Requires user PC. Consult data sheet for minimum technical requirements.</p> | √ | √ |
| <p>Third Party Interface (TPI) Windows-based DLL available free of charge to developers for high-level integration of INTREPID™ devices into custom control applications.</p> | MicroPoint™ Cable only | N/A |
| <p>Software Development Kit (SDK) Available free of charge to developers for high-level integration of INTREPID™ devices into custom control applications. Platform independent.</p> | MicroTrack™ only | Common SDK for all Series II devices |

INTREPID™ SERIES I vs. SERIES II: FENCE DETECTION SYSTEMS

| | SERIES I | SERIES II |
|--|--|--|
| | MicroPoint™ Cable | MicroPoint™ II |
| Warranty Terms | 1 year (std), 1 Yr + 2 Yr Ext. Warranty (on registration) | 1 year (std), 1 Yr + 2 Yr Ext. Warranty (on registration) |
| Alarm Resolution | 3 m / 10 ft | 3 m / 10 ft |
| <i>Sensitivity Leveling™</i> for uniform detection sensitivity across protected area | Yes | Yes |
| <i>Point Impact Discrimination™</i> for nuisance alarm rejection | Yes | Yes |
| Detection Length Per Sensor Cable | 209 m | 220 m |
| Network Architecture | Direct Connection: RS-232 or RS-422 | Star, Loop, Fault Tolerant Loop |
| Communication Ports | Network Interface Module RS-422 Adapter Card RS-232 Adapter Card | 2 built-in RS-422 (Comm) RS-232 (Set-up) |
| Remote Sensor Administration | Yes | Using CM II, GCM II Controllers |
| Power Conversion | Power Converter Card available | Built-in |
| Installation / Service Software | Dedicated IST | Common UIST |
| TPI / SDK | Dedicated TPI | Common SDK |
| CCTV Interface | Relays, PSM, TPI | Relays, PSM, SDK, ASCII (GCM II) |
| System Size Parameters | 8 PMs / system PSM: 64 systems / PC TPI: Unlimited | RCM II: 8 devices CM II: 16 devices GCM II: 32 devices PSM: 240 devices SDK: Unlimited |

INTREPID™ SERIES I vs. SERIES II: BURIED CABLE DETECTION SYSTEMS

| | SERIES I | SERIES II |
|--|--|--|
| | MicroTrack™ | MicroTrack™ II |
| Warranty Terms | 1 year (std), 1 Yr + 2 Yr Ext. Warranty (on registration) | 1 year (std), 1 Yr + 2 Yr Ext. Warranty (on registration) |
| Alarm Resolution | 3 m / 10 ft | 3 m / 10 ft |
| <i>Sensitivity Leveling™</i> for uniform detection sensitivity across protected area | Yes | Yes |
| Detection Length Per Sensor Cable | 200 m | 200 m |
| Network Architecture | Single MTP | Star, Loop, Fault Tolerant Loop |
| Communication Ports | 1 RS-422 1 RS-422 / RS-485 1 RS-232 (DB9) | 2 RS-422 1 RS-232 (DB9) |
| Remote Sensor Administration | Yes | Using CM II, GCM II Controllers |
| Installation / Service Software | Dedicated IST | Common UIST |
| TPI / SDK | Dedicated SDK | Common SDK |
| CCTV Interface | Relays, PSM, SDK | Relays, PSM, SDK, ASCII (GCM II) |
| System Size Parameters | RCM: 1 MTP / system PSM: 1 MTP / comm. port, 64 MTPs / PC SDK: 1 MTP / comm. port, Unlimited comm. ports | RCM II: 8 devices CM II: 16 devices GCM II: 32 devices PSM: 240 devices SDK: Unlimited |

INTREPID™ SERIES I vs. SERIES II: BI-STATIC MICROWAVE DETECTION SENSORS

| | 310B/316 (Analog) | MicroWave 330 (Digital) |
|---|---|--|
| Warranty Terms | 1 year (std), 1 Yr + 2 Yr Ext. Warranty (on registration) | 1 year (std), 1 Yr + 2 Yr Ext. Warranty (on registration) |
| High-security K-band Frequency | Yes | Yes |
| High Resistance to Radar Interference | Yes | Yes |
| Signal Processing (Intrusion Detection) | Phase Locked Loop | Digital |
| Built-in Alarm Network Interface | No | Yes |
| Remote Sensor Administration | No | Using CM II, GCM II Controllers |
| Network Architecture | Not available | Star, Loop, Fault Tol. Loop |
| Path Alarm Monitoring | Not available | Yes |
| Synchronization between Microwave Sensors | Optional Card | Built-in |
| Installation / Service Software | Manual Only | Common UIST |
| TPI / SDK | No | Common SDK |
| System Size Parameters | Site Dependent | RCM II: 8 devices CM II: 16 devices GCM II: 32 devices PSM: 240 devices SDK: Unlimited |