IMPORTANT UPDATE ON IRIS-4 FIRMWARE V4.21.1

Background:

AddSecure's ISO27001 certification sets it apart as a leader in information security, demonstrating our unwavering commitment to safeguarding your data.
This prestigious certification not only enhances our security posture but also builds trust and credibility with our clients, ensuring compliance with regulatory standards.
It provides a significant competitive edge, showing our dedication to superior risk management and operational efficiency.

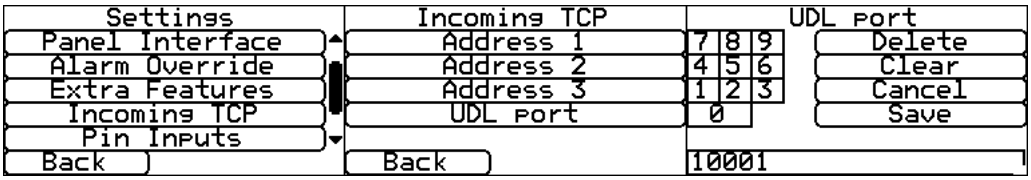
With ISO27001, AddSecure assures clients of top-tier data protection, reinforcing our position as the go-to choice for secure and reliable communication solutions.

Consequence:

For enhanced cybersecurity and compliance with ISO27001, the IRIS-4 terminals no longer accept incoming TCP connections on port 10001 by default.

This TCP port 10001, typically used for Honeywell Galaxy alarm panel upload-download connections, must be explicitly enabled if required. To ensure maximum protection, the IRIS-4 terminal should always be installed behind a firewall, and TCP port 10001 should not be open to the Internet.

When Honeywell Galaxy alarm panel upload-download connections are required, the TCP port 10001 must be opened via the IRIS-4 touch screen in menu Settings > Incoming TCP > UDL port:



Important note:

IRIS-4 terminals must be installed behind internet firewalls for Ethernet connections, following industry standards for IP client devices. IRIS-4 terminals generally initiate outbound connections to the ARC. For inbound connections required for specific alarm panel upload-download services, local IT infrastructure must secure access using VPN or other methods.

The IRIS-4 firmware V4.21.1 release note is available for download on:

https://www.addsecure.com/contact-support/technical-documents-and-download/technical-documents-and-downloads-smart-alarm/

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ARGUMENTATION FOR DUAL PATH ALARM TRANSMISSION USING SEPARATE TECHNOLOGIES: IP AND 4G WITH EMPHASIS ON EN50131 AND EN50136 REGULATIONS

1. Compliance with EN50131 and EN50136 Regulations

The European standards EN50131 and EN50136 set stringent requirements for alarm systems to ensure high levels of security and reliability. Implementing dual path alarm transmission using IP and 4G technologies aligns with these regulations, providing multiple benefits:

EN50131: This standard outlines the requirements for alarm systems, focusing on ensuring the systems are tamper-resistant, reliable, and capable of alerting in the event of an intrusion.

EN50136: This standard specifies the performance criteria for alarm transmission systems, including requirements for redundancy, reliability, and transmission times.

Adhering to these standards not only meets regulatory requirements but also provides assurance of a robust and secure alarm system.

2. Enhanced Reliability and Redundancy

EN50136 mandates redundancy in alarm transmission paths to ensure that an alarm signal can always be transmitted, even if one path fails. Using both IP and 4G technologies:

Meets EN50136 Requirements: By having two independent paths, the system adheres to the redundancy requirements specified in EN50136, ensuring continuous monitoring and alarm transmission.

Ensures Compliance: Compliance with these standards is often necessary for regulatory approval and insurance purposes.

3. Protection Against Common Failure Modes

The dual path approach using separate technologies addresses multiple failure modes as per the EN50131 and EN50136 standards:

IP Pathway: Provides a stable primary channel but can be vulnerable to local disruptions such as power outages or network failures.
4G Pathway: Serves as an independent backup, ensuring the system remains operational even if the IP pathway fails.

This separation ensures that the system meets the standards' requirements for reliability and robustness.

4. Comprehensive Coverage and Security

EN50131 emphasizes the need for alarm systems to be tamper-resistant and secure. A dual path system using IP and 4G technologies enhances security by:

Providing Independent Channels: Makes it difficult for intruders to disable both paths simultaneously, thereby meeting the tamper resistance criteria outlined in EN50131.

Ensuring Continuous Operation: Even in areas with unreliable internet connectivity, the 4G pathway ensures the system remains functional, complying with the comprehensive coverage requirements.

5. Regulatory Compliance and Insurance Benefits

Compliance with EN50131 and EN50136 not only ensures regulatory adherence but also offers significant advantages:

Enhanced Credibility: Demonstrates adherence to the highest standards in security, increasing trust among stakeholders and clients.

Insurance Premium Reductions: Many insurance companies offer reduced premiums for systems that meet these standards, reflecting the lower risk of failure and higher security.

6. Cost-Effective and Scalable Solution

Implementing a dual path system in line with EN50131 and EN50136 can be both cost-effective and scalable:

Initial Compliance Investment: The initial setup cost is justified by the increased reliability and security, as well as compliance with mandatory standards.

Operational Efficiency: Maintaining a 4G backup path incurs minimal costs compared to the potential losses from system failures or non-compliance penalties.

Scalability: The system can be easily scaled or upgraded to integrate newer technologies, ensuring ongoing compliance with evolving standards.

7. Conclusion

The implementation of dual path alarm transmission using IP and 4G technologies is not just a best practice but a necessity to comply with EN50131 and EN50136 regulations.
These standards mandate high levels of reliability, redundancy, and security for alarm systems.
By adopting a dual path approach, organizations can ensure continuous monitoring and transmission of alarms, protect against common failure modes, enhance overall security, and meet regulatory and insurance requirements.

This dual path strategy provides a robust, reliable, and compliant solution for modern alarm systems, emphasizing the critical importance of adhering to established European standards for security and performance.