Integriti - Nemtek Integration

The Integriti - Nemtek integration is a powerful TCP/IP based high-level interface which equips the Integriti Security Management System with complete control and status monitoring of the Nemtek High-Security Fence System. The entire Nemtek system can be displayed, monitored and controlled directly from Integriti’s graphical schematic maps interface.

This leverages Integriti’s powerful alarm management and reporting capabilities and provides security personnel with a single system to monitor and control the Nemtek Fence system along with other aspects of security including Access Control, Intruder Detection and CCTV.

Technical Connections

The Nemtek system is integrated to Integriti via a TCP/IP connection between the Nemtek FG7 Touchscreen Controller and the Integriti Controller (IAC or ISC).

The integration allows up to 32 Nemtek Druid dual zone energizers and 31 Nemtek I/O cards to be connected per Integriti controller. This allows 64 fence zones to be controlled and monitored per Integriti controller, additional ISC or IAC controllers can be added where larger systems are required.

The Nemtek fence zones, status indicators and control buttons can be placed directly into Integriti’s powerful graphical maps interface, providing real-time monitoring and full control of the Nemtek fence system along with CCTV, Access Control and standard Intruder Detection functions.
The Power of Integriti & Nemtek Integration

Integration of the Nemtek System with Integriti provides a powerful real-time graphical interface for monitoring and control of the entire fence system. With Integriti acting as the complete Integrated Security Management System (ISMS), the status and control of the Nemtek system and a variety of parallel sub-systems, such as CCTV, Access Control, Intruder detection, Biometrics, Mobile Duress, Lighting, Intercoms and much more, can be brought together and managed as a complete system. This provides security management personnel with a single user interface, whereby security events can be controlled, monitored, verified and escalated in accordance with the organisation's security policy.

Functions available with Nemtek – Integriti Integration

The following Nemtek status and alarm events can be monitored within the Integriti Graphical Interface in real-time

- Fence Zone Status On or Off
- Fence Zone Status Hi or Low Voltage
- Fence Zone status “In Alarm”
- Fence Zone status “Check”
- Fence Zone Status “Interference”
- Energizer Gate Alarm
- Energizer Tamper Alarm
- Energizer Siren Status
- Energizer Strobe Status
- Energizer Mains Power Fail
- Energizer Battery flat
- Energizer Battery Fuse
- Energizer No Battery
- Energizer Aux Fuse
- Energizer Comms failure
- Energizer Pulse Sync Loss
- Energizer Service Alarm
- Energizer Panic Alarm
- Energizer was manually overridden via a magnetic control switch

The following Nemtek elements can be directly controlled from the Integriti Graphical Interface

- Control Fence Zone Status On or Off
- Control Fence Zone Voltage Hi or Low
- Allow Gate Access
- Clear Alarms
- Clear Alarm History
System Capacities

- Up to 32 Nemtek Druid Dual Zone energizers and 31 Nemtek I/O cards can be connected to a single Integriti IAC/ISC controller providing monitoring and control of up to 64 Fences zones.
- The Nemtek physical LAN may, by the appropriate choice of interface components, use RS485, fiber-optics, Ethernet, WiFi and microwave communication links. Star and multi-drop topologies can be accommodated.
- For large scale systems, additional Integriti Controllers can be used. With each Controller capable of managing up to 32 Druid controllers, large scale fences systems can be deployed and configured to operate as a single system.
- Integriti software can monitor and control an unlimited amount of Nemtek fence zones and Nemtek I/O Modules.
- The Integriti System and the Nemtek System will continue to operate as standalone systems should communications between the two systems be offline.
Integriti Components

Listed below are the Integriti products required to build an integrated solution with the Nemtek high-security fence system. In addition to this, there are many other products in the Integriti range including Access Control Modules, I/O modules and further integration options, please consult the full Integriti catalogue to see the complete range.

**INTEGRITI PROFESSIONAL**

Part IR-996901
Integriti Professional includes GateKeeper for everyday card-holder programming, along with monitoring and control of the system using schematic maps. Also included is Integriti System Designer for full system programming and configuration.

**INTEGRITI CONTROLLERS**

Part IR-996001AUPS
Integriti Security Controller in Metal Enclosure (ISC)

Part IR-996001PCB&K
Integriti Security Controller (ISC PCB & Accessories)

Part IR-996035PCB&K
Integriti Access Controller (IAC PCB & Accessories)

See the Integriti ISC /IAC Controller Datasheets and comparison table for full specifications of these Controllers.

**INTEGRITI VIRTUAL MODULES OPTION (For Controllers)**

Part IR-996026
The Integriti Virtual Modules option activates the Controllers High-Level Communications Interface for Integration of the Nemtek FG7 with the Integriti IAC or ISC Controller. One virtual module is required for each Nemtek Druid or I/O module being integrated. (This option requires a SMART card to be fitted to the IAC/ISC)
About Nemtek

Nemtek group manufactures a full range of energizers and fencing hardware and is a globally known and well-respected company. With its pioneering products, it has become the benchmark for the security electric fencing industry. Nemtek's electric fencing solutions have become the products of choice for, and are being specified by many governments, local authorities and industries to protect defence infrastructures, correctional facilities and utilities around the world.

Nemtek's success has been achieved by:
• Its continuous innovation, resulting in unique, trailblazing and often patented products and technologies
• The reliability and efficiency of the Nemtek products
• Its fast response to the ever-changing market and customer needs
• Its unparalleled customer service and the continuous support and close working relationships it fosters with its customers

There are Nemtek products available that can reliably address many different types of fencing needs ranging from residential, retail and commercial, to airports, power stations, prisons, defence facilities and other utilities.

Nemtek's unbeatable experience in the security field has revolutionised the design of game and animal farm energizers. These energizers now offer security features and communication techniques to not only keep animals in, but to also effectively combat the theft and injury of animals by poachers.

For more details and information on Nemtek products, visit www.nemtek.com.

The reasons for using an Electric Fence

DETECT, DETER AND DELAY

When a physical barrier, such as a wall or a fence, is combined with an electric fence it will deter attempts to infiltrate the protected perimeter. The electric fence delivers a high voltage shock that is non-lethal to the potential intruder. The Nemtek electric fence energizer has a detecting feature, which produces an alarm when the protected perimeter has been tampered with or breached. By using an electric fence, the attempted break-in of the protected area can be delayed giving additional time for a reaction team to respond to the breach.
Nemtek Components

Listed below are the Nemtek products required to build an Integrated solution with the Integriti system. In addition to this there are many other products in the Nemtek range, please consult the full Nemtek catalogue to see the complete range.

**DRUID CONTROLLER FG7**

Part E-FG7/DRUID

The Druid FG7 Controller provides the TCP/IP interface for Integration with the Integriti system.

**DRUID FENCE ENERGIZERS - DRUID 25LCD / DRUID 28LCD**

- **Part DRUID 25LCD** – Dual 2.4 Joule Energizers
- **Part DRUID 28LCD** – Dual 3.7 Joule Energizers

Druid Energizers control and monitor up to two fence zones per module and can be fully monitored and controlled by the Integriti system.

**DRUID NETWORK IO CARD**

Part EE-FGIO5

Druid Network IO cards can be deployed on the Nemtek system LAN and provide five universal relay outputs and six general purpose inputs. The IO card can be fully monitored and controlled by the Integriti system. Relay outputs may be individually configured to be "dry or wet" contacts.

**NEMTEK FENCE HARDWARE**

Nemtek has a wide range of fence hardware and accessories available. Please consult the full Nemtek Product Catalogue to see the entire range.
About Inner Range

Inner Range is an Australian based company and world leader in the design and manufacture of state of the art access control and security solutions. Since our inception in 1988, over 150,000 Inner Range systems have been installed in over thirty countries. Inner Range is focused on developing the world’s best hardware and software solutions for your security and access control needs.

Inner Range is strongly committed to creating the best security and access control products through continuous investment in research and development. The resulting dividend for you is a range of products that will manage your facilities more reliably, efficiently and cost-effectively. A large proportion of our product development resources is committed to building reliable products capable of enduring harsh environments, giving you piece of mind about your security and access control investment.

Inner Range and Nemtek products are available via distribution partners globally

Please consult the Inner Range & Nemtek websites to locate a distributor in your region.

innerrange.com

nemtek.com