

integrity

INTEGRATED SOLUTIONS

Integriti - Nemtek Integration Guide



NEMTEK
Electric Fencing Products





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.



Integriti Software presents powerful graphical maps of the Nemtek fence system with full control and real-time monitoring

The Integriti IAC/ISC Controller provides the TCP/IP interface into the Integriti system

The Nemtek FG7 Touchscreen interface provide the TCP/IP interface into the Nemtek Fence system

The Nemtek Druid Energizer provides monitoring and control of fence zones

The Power of Integrati & Nemtek Integration

Integration of the Nemtek System with Integrati provides a powerful real-time graphical interface for monitoring and control of the entire fence system. With Integrati 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 – Integrati Integration

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

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

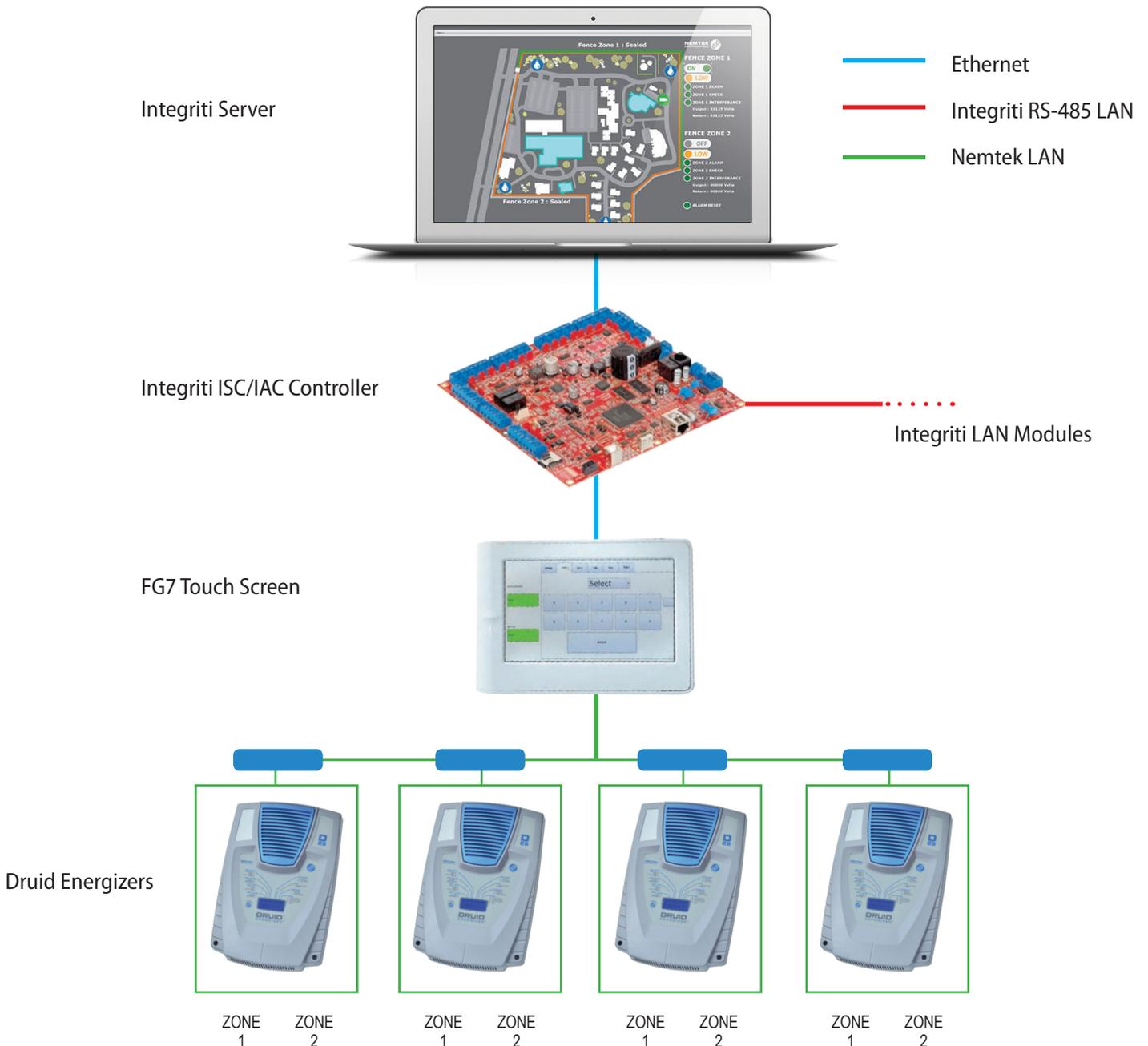
The following Nemtek elements can be directly controlled from the Integrati Graphical Interface

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



System Capacities

- Up to 32 Nemtek Druid Dual Zone energizers and 31 Nemtek I/O cards can be connected to a single Integrati 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 Integrati 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.
- Integrati software can monitor and control an unlimited amount of Nemtek fence zones and Nemtek I/O Modules.
- The Integrati System and the Nemtek System will continue to operate as standalone systems should communications between the two systems be offline.



Integrati Components

Listed below are the Integrati 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 Integrati range including Access Control Modules, I/O modules and further integration options, please consult the full Integrati catalogue to see the complete range.



INTEGRITI PROFESSIONAL

Part IR-996901

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



INTEGRITI CONTROLLERS

Part IR-996001AUPS

Integrati Security Controller in Metal Enclosure (ISC)

Part IR-996001PCB&K

Integrati Security Controller (ISC PCB & Accessories)

Part IR-996035PCB&K

Integrati Access Controller (IAC PCB & Accessories)

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



INTEGRITI VIRTUAL MODULES OPTION (For Controllers)

Part IR-996026

The Integrati Virtual Modules option activates the Controllers High-Level Communications Interface for Integration of the Nemtek FG7 with the Integrati 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 Integrity 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 Integrity system



DRUID FENCE ENERGIZERS - DRUID 25LCD / DRUID 28LCD

Part DRUID 25LCD – Dual 2.4Joule Energizers

Part DRUID 28LCD – Dual 3.7Joule Energizers

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

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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.

nemtek.com