

Trilogy:®



hospital



retail



airport



schools



pharmacy



office



Retrofit Any Knobset

DL2700 Trilogy® T2 Grade 1 standalone digital cylindrical keyless door lock, fingertip programmable - New Remote Release Retrofit Kit, too.
page 2



Audit Trail

DL2800/DL3000 Trilogy audit trail cylindrical security locks with PC Programming & Schedules
page 3



ID Card Access

PDL3000 Trilogy HID® Reader/Enroller Prox Lock with audit trail
page 4
+ New iClass/One-Card Model PDL7100
page 15



Vandalism Protection

PL3000 Prox-only vandal proof lock
page 4



Airport Jetway Use and more

DL/PDL5300 Dual sided PIN/prox lock with audit trail
page 5



Communicate Wirelessly

Trilogy Networkx™ communicate wirelessly via Ethernet or 802.11 now including Networkx Keypads & Controller plus Exit Trim
DL/PDL6100, DL/PDL6500, NET-DKPAK, NET-PDKPAK, NETPANEL, ETDLN/ETPDN
page 13-17



Restrooms/Classrooms

DL/PDL4100, DL/PDL4500 Trilogy Privacy/Lock Down Pushbutton -for restrooms, on-call rooms, file rooms, fitting rooms, classrooms
page 6



High Security PIN/Prox ID

DL3500, PDL3500 Trilogy high security mortise locks and keyless gate locks with and without prox
page 7



Glass/Aluminum Doors

DL1200, DL1300, PDL1300 Trilogy Narrow Stile Pushbutton aluminum door trim latch locks for PIN or Prox ID card access
page 9



Exit Doors

ETDL, ETPDL TrilogyExit retrofits existing exit bars and saves manpower on guard tours
page 8

Glass & Standard Pushbar Doors

DL1200, DL/PDL1300ET TrilogyExit keyfree convenience and greater security for panic exit devices on standard & narrow stile aluminum frame glass doors
page 8 & 9



Architech Series Locks

Designer Wireless Access Control Systems
page 18-21



Access Keypads

DK3000 & PDK3000 Trilogy Matching Weatherproof PIN/Prox. ID Access Keypads with audit trail
page 11

All Trilogys feature
no fee/license FREE
Windows-based
software

Keyless access locks trusted by more leading
retailers, firms, hospitals, schools & airports

Trilogy Networkx: Wireless networking locks



networkx
by Trilogy

Wireless Trilogy Networkx™ Locks supports 802.11 or ethernet

DL6100 & prox/PIN version PDL6100

Trilogy Networkx Locks eliminate door-to-door programming and audit trail retrieval by communicating wirelessly via Ethernet or 802.11B/G, while providing all original Trilogy standalone lock's functionality. They provide a quick, easy, economical access system with advanced features & functions, like automatic schedules, event logs and support for 2000 doors and 5000 existing Prox. ID Cards/Badges, but with no wires to run, and no access panels or power supplies to buy or install. At its simplest it's one Grade 1 durable wireless lock per door, installed in about an hour, all communicating to a single Gateway (each gateway controls up to 63 locks), networked to any non-dedicated Windows-based PC. In addition to Wireless Trilogy Networkx' unsurpassed battery-life, exceeding 5 years, they feature new network-wide capabilities, executed from any lock or the network's PC, including emergency priority global lockdown deployed in seconds, and you can activate (non-priority) system-wide free-passage or locking modes from the PC. For existing Trilogy installations, original standalone and new Trilogy Networkx locks can seamlessly share one common database hosted on free Alarm Lock DL-WINDOWS software.

- **Trilogy Networkx Locks communicate wirelessly via Ethernet or 802.11B/G** for a comprehensive wireless networked door access control system, eliminating door-to-door programming and audit trail retrieval and providing all standalone Trilogy lock functionality plus new network-wide and emergency lockdown features
- **Unsurpassed 5-year+ battery life, typical,** (Automatic battery status reports at the PC; visual and audible low-battery status indicators at lock(s).
- **Trilogy Networkx and gateway modules have an integral transceiver for highly-efficient 900MHz bidirectional communications,** for longer range and less interference than with more common 2.4GHz spread spectrum devices. Alarm Lock devices require NO wiring; NO splitters or repeaters; NO hardwiring to the host/server; NO extra power supplies; and NO access controller/panels.
- **In 10 seconds, activate emergency global lockdown from the Networkx PC or any Networkx lock.** (This priority emergency command is lightning-fast system-wide and supercedes all scheduled programs or updates, etc. However, if desired, locks may be selectively programmed to be excluded from emergency global lockdown function, i.e., they will ignore the command.)
- **System-wide free-passage enable or disable,** can likewise be activated from the Networkx PC
- **Locks support up to 5000 users with 3-6 digit numeric PIN codes and PDL-Series also support prox ID card users** (virtually all HID™ format proximity technology ID cards, fobs, credentials.)

- **On demand, in seconds, wirelessly change users, schedules, lock features or retrieve audit trails of up to 40,000 events/lock from any networked PC.** (Note: Transaction processing time is dependent upon system capacity, the more locks/gateways and the more data to be up/downloaded, the longer the time.)
- **Unattended programming updates or event log retrievals can be scheduled** to run automatically, saving manpower and productive time.
- **Seamless upgrade path for original Trilogy users:** Intermix with existing Trilogy standalone lock installations and share one database and familiar Trilogy lock and software functions: Trilogy Wireless Network Locks seamlessly integrate in an existing Alarm Lock Trilogy standalone door access system and share the same single DL-WINDOWS database (requires v4.1.x or higher). Existing Trilogy users can easily add one wireless Networkx Lock, or as many as two thousand, to an existing system seamlessly with no downtime.
- **Secure 128bit AES PC encryption and proprietary RF-link lock communication encryption** protects the system from interference or tampering (WEP or WPA compatible with wireless modem).
- **Remote System Management:** VPN-connection /remote capability for accessing the Network System and controlling up to all 2000 locks, with all the security and peace-of-mind of your IT network. (No special modems required.)
- Wireless locks are fully keypad programmable and can be up and functioning even before their wireless network is configured, so IT departments don't have to coordinate with physical security departments or locksmiths
- Free Alarm Lock DL-WINDOWS software doesn't require a dedicated computer or a special computer network or costly server software licenses, it simply runs as a secure Microsoft Windows-based application, on any computer system (as basic as a desktop or laptop PC), a wired or wireless router, and a gateway module or on an internal LAN with static IP address (recommended). MS XP and Vista supported (v4.1.x or higher).
- Minimizing hardware & installation costs, a single gateway module can interface between the PC network and up to 63 Networkx locks, with a range of up to 900' clear field range or up to 200' depending on building construction. At its maximum, a Trilogy Networkx system can comprise up to 32 gateways for the networking of up to 2000 locks or access controlled doors.
- Wall- or ceiling-mountable, compact gateway modules are available in wireless/hardwired and wired-only versions (with Power Over Ethernet (POE) option). The hybrid model connects using either 802.11, Ethernet cable or 100Base-TX (using RJ45



Up to 2000 locks and a PC communicate wirelessly through bidirectional Gateways – eliminating the need for door-to-door programming and audit trail retrieval.

In seconds, global lockdown can be implemented from any Trilogy lock or the DL-WINDOWS computer.

Jack); the wired versions use an RJ-45 Ethernet cable. Networkx communications support both wired Ethernet 10BaseT and wireless 802.11.

- For the fastest most reliable networked system, in discovery setup mode, the system will locate and DL-WINDOWS will display each lock's signal strength at each installed gateway, so you can select it and optimize reliable communications and eliminate guesswork.
- Lock programming, user- and usage-data are stored locally at the battery-powered lock for uninterrupted door access usage in a power outage or server offline situation.

Enterprise Networks

- Networkx locks can be used as wireless, single-door controllers in real time too
- Use with Continental Access® CA3000 or Lenel OnGuard® Integrated Access Control & Video Security Platforms



CardAccess® 3000

Trilogy Networkx Lock Specifications:

- Weatherproof locks for indoor/outdoor use with wide operating temperature range (-31 to 151° degrees F).
- Cylindrical models boast industrial strength BHMA Grade 1 durability and all models feature vandal-resistant all-metal keypad for PIN codes.
- PDL6100 version, also has built in HID Prox. Reader.
- ADA-compliant leversets. • Easy-to-install modified ANSI A115 Series door prep; easily and neatly retrofit standard cylindrical knobsets and mechanical standalone locks, in under an hour. Non-handed
- 3 hour UL fire-rated deadlatch.
- Supports 1-5/8 to 1-7/8" door thickness; 2-3/4" backset (2-3/8" available.)
- Manual key override standard; most IC cores also supported on interchangeable core models.

- Wide choice of 3 Architectural finishes (US3 polished brass, 26D satin chrome, 10B duronodic) and IC core preps (6-7pin).

Network Interface

INTERFACE: Ethernet 10Base-T or 100Base-TX (using RJ45 Jack)

PROTOCOLS: TCP/IP, UDP/IP, DHCP 802.11 Wireless Specifications

WIRELESS STANDARDS: IEEE 802.11b; 802.11g

FREQUENCY RANGE: 2.412 - 2.484 GHz

OUTPUT POWER: 14 dBm + 1.5 dBm/-1.0 dBm

MAXIMUM RECEIVE LEVEL: -10dBm (with PER < 8%)

DATA RATES WITH AUTOMATIC FALLBACK: 54Mbps - 1Mbps

RANGE: Up to 328 feet indoors

MODULATION TECHNIQUES: OFDM, DSSS, CCK, DQPSK, DBPSK, 64 QAM, 16 QAM

INTERFACE: Wireless 802.11b, 802.11g and 10/100 Ethernet

PROTOCOLS: TCP/IP, UDP/IP, DHCP

SECURITY

- IEEE 802.11 - PSK with AES Encryption 128-bit Encryption
- 128-bit AES Rijndael encryption

A.L. Radio Link

- 900 MHz GFSK, 50 channels, 10mW power output

VOLTAGE: 5 - 6 volts AC/DC

OPERATING TEMPERATURE: -20° to 60°C (-4° to 140°F)

STORAGE: -40° to 85°C (-40° to 185°F)

AVERAGE POWER CONSUMPTION:

- 1300 mW (WLAN mode; maximum data rate)
- 300 mW (WLAN mode; idle)
- 750 mW (Ethernet Mode)

PEAK SUPPLY CURRENT: 650 mA

INPUT VOLTAGE: 5 - 6 volts AC/DC

OPERATING TEMPERATURE: -31 to 151° degrees F

STORAGE TEMPERATURE: -40° to 85°C (-40° to 185°F)

No network activity or bandwidth usage until user operates DL Windows software to send programming to or receive log data from locks. Exception, during emergency lockdown command Gateways communicate through the network. Gateways will send less than 1000 bytes during emergency command.

Trilogy Networkx: A wireless model for every application



More Networkx Models & Options:

PDL6100 Cylindrical Trilogy® Networkx™ PIN/Prox. Wireless Access Control Lock with built in HID proximity ID card reader, full-metal digital keypad, integral bi-directional radio, 4-C cell battery-operated (batts. supplied), serial number ID card, standard format SCI keyway for manual key override, 4-7/8" ASA Strike (incldd).

DL6100 Cylindrical Trilogy Networkx PIN-Code Wireless Access Control Lock, as above, with full-metal digital keypad only.

PDL6500 Trilogy® Networkx™ PIN/Prox. Wireless Access Control Mortise Lock with built in HID proximity ID card reader, full-metal digital keypad, integral bi-directional radio, 4-C cell battery-operated (batts. supplied), serial number ID card, standard format SCI keyway for manual key override, 4-7/8" ASA Strike (incldd).

DL6500 Trilogy Networkx PIN-Code Wireless Access Control Mortise Lock, as above, with full-metal digital keypad only.

PDL7100 Cylindrical Trilogy Networkx™ iClass™ Prox. Wireless Access Control Lock with built in 13.56 MHz iClass HID proximity ID card reader/enroller, full-metal digital keypad, integral bi-directional radio, 4-C cell battery-operated (batts. supplied), serial number ID card, standard format SCI keyway for manual key override, 4-7/8" ASA Strike (incldd).

PDL7500 Mortise version of above

ETDLN TrilogyExit Clutch Mechanism insures long life and durability. Fingertip and/or Windows programmable, 2000 User Codes: Master, manager, supervisor and users, Real Time Clock for up to 35,000 Event Time/Date-Stamped Audit Trail and Up to 500 Lock/Unlock Schedules (with Time Zone Support). Rugged 12-Button Metal Keypad, non-Handed; Fully Field Reversible. Adaptable to most major manufacturers of standard RIM and IC RIM Cylinder. Supports most panic exit devices, including Von Duprin, Corbin, Yale, Dorma, Arrow, Sargent, Precision and Cal Royal

ETPDN Networkx Prox Trilogy Exit model for added convenience and security. Includes all of the features above plus: Accepts most HID Proximity cards and keyfobs; Users are individually programmed to use a card only, code only, or for highest security – both card and code. Prox card data can be added to software by uploading from lock, by using AL-PRE or entering directly from computer using DL-WINDOWS Networkx software.

RR-4BKEYFOB Optional remote release keyfob (shown).

RR-1BUTTON Optional desk-mount version of above.

DL-WINDOWS

Free Alarm Lock Trilogy Microsoft Windows-based software application, v4.0.1 or higher, supports Trilogy Networkx and Trilogy standalone locks, with single database. No-charge, downloadable online at www.alarmlock.com

AL-IM80211

Hardwire/Wireless Gateway Interface Module, with integral bi-directional radio, interfaces Network locks with hardwired Ethernet and wireless 802.11. Powered with Class 2, 6VAC transformer (supplied). Supports up to 63 Networkx Locks. Two antennas. Ceiling or wall mountable.

AL-IME Hardwire Gateway Interface Module, supports up to 63 Networkx Locks, similar to above, but using hardwired connection to the network via RJ45 Ethernet cable. One antenna. Powered with Class 2, 6VAC transformer (supplied). Ceiling or wall mountable.

AL-IMEPOEP Hardwire Gateway Interface Module + POE, supports up to 63 Networkx Locks, as above, but using hardwired Ethernet and Power Over Ethernet (P.O.E.). Connects directly to a network via Ethernet cable. One antenna. Ceiling or wall mountable.



Add Networkx Trilogy convenience, programming, flexibility, audit trail and wireless connectivity to panic exit devices from most major manufacturers

Turn Standalone Trilogy Locks into Wireless Networkx Locks with New Field Upgrade Kits for Standalone PIN or PIN/Prox Cylindrical or Mortise Models. Call for more or go to <http://www.alarmlock.com/networkupgradekits.html>

Wireless Networkx Keypads & NetPanel



NET-DKPAK & NET-PDKPAK

Versatile for indoors and outside; ideal for education, healthcare, government, airports, courts, municipalities, & retail

- Familiar Trilogy operation, programming, software and ruggedness
- NetPanel Controller supports 2 Networkx keypads and/or 2 Wiegand output readers /devices
- Key features: Global lockdown and passage from keypad or PC, schedules, 35K event log, door position status indicator, request-to-exit, door ajar/kick-in, remote release options.

Features

- Networkx NetPanel supports up to 2 Networkx wireless keypads and/or Wiegand-output readers and communicates wirelessly via Ethernet or 802.11B/G for a comprehensive wireless networked door access control system, eliminating door-to-door programming and audit trail retrieval and providing all standalone Trilogy lock functionality plus new network-wide global emergency lockdown/unlock commands
- Networkx Keypads support up to 5000 users with 3-6 digit numeric PIN codes and NETPDK-Series also support prox ID card users (virtually all HID format proximity technology ID cards, fobs, credentials.)
- System-wide free-passage enable or disable, can be activated from the keypad or the Networkx PC
- On demand, in seconds, wirelessly change keypad users, schedules, features or retrieve 35,000 events from any networked PC.
- Ideal for use with mag locks, strikes and electrified exit /panic devices (EL-devices/ electrified latch retraction devices.)

Trilogy Network Wireless Keypads and NetPanel combine to provide the ideal wireless keypad solution for use with mag locks, strikes and electrified exit devices in a smart access system with advanced features & functions, like automatic schedules, event logs and support for 2000 doors and 5000 existing Prox. ID Cards/Badges. The Networkx Panel communicates via a Networkx Gateway networked to any Windows-based PC. Networkx keypads seamlessly share one common database hosted on free Alarm Lock free software (along with Networkx locks and standalone Trilogys too.). This cost effective system is very scalable, and up to 63 NetPanels, controlling up to 126 Networkx Keypads (or wiegand devices), can communicate to as little as one Alarm Lock Gateway. Two starter kits are available, NET-DKPAK & NET-PDKPAK, each with a controller and keypad (Digital PIN or Prox, respectively). Additional keypads and NetPanels may also be purchased individually.

Advantages

- New Wireless Keypad solution - networked versions of popular Trilogy DK/ PDK3000 Keypads
- Ideal for use with strikes, mags, electrified exit devices
- 5000 users with 3-6 digit PINs or HID® ID cards
- Save manpower - Bidirectional 802.11/ ethernet network communications updates, users, time-schedules and audit trail queries — without ever going to the keypads

- Free Alarm Lock DL-WINDOWS software doesn't require a dedicated computer or a special computer network or costly server software licenses, it simply runs as a secure Microsoft Windows-based application, on any computer system (as basic as a desktop or laptop PC), a wired or wireless router, and a gateway module or on an internal LAN with static IP address (recommended). MS XP and Vista supported (v4.01 or higher).
- Wall- or ceiling-mountable, compact Alarm Lock Networkx Gateway Modules and are available in wireless/hardwired and wired-only versions (with Power Over Ethernet (POE) option). The hybrid model connects using either 802.11 or standard Ethernet cable; the wired versions use an RJ-45 Ethernet cable. Networkx communications support both wired Ethernet 10BaseT and wireless 802.11. Networkx Gateways' wireless coverage performance equals or surpasses that of 802.11, with each Gateway spanning up to 900' clear field range or 50,000 square feet of indoor coverage, typical***.
- Up to 50 wall- or ceiling-mountable, compact gateway modules can be used per account and are available in wireless/ hardwired and wired-only versions, (with Power Over Ethernet (POE) option). The hybrid model connects using either 802.11 or standard Ethernet cable; the wired versions use an RJ-45 Ethernet cable. Networkx communications support both wired Ethernet 10BaseT and wireless 802.11.
- Up to 2000 NetPanels can be used per account to further expand system capabilities.

NETPANEL dedicated access panel Includes

- Circuit board with onboard flash memory; 12V power supply, with transformer and rechargeable backup battery
- Inputs supporting two of any combination of NETDK or NETPDK keypads, PLUS up to two Wiegand devices
- Special "Two Door Mode" allows two keypads and/or two Wiegand devices to separately control two doors
- Two Form-C relays
- Inputs for door position contact to indicate the status of the door, open or closed;
- Inputs for a remote release button or sensor
- Onboard bi-directional Networkx radio
- Wiegand interface, red LED, green LED, and sounder.

Wiegand Device Support

- The NetPanel's Wiegand inputs currently support all Wiegand output devices, that support the Data 0/Data 1 communications protocol and are compatible with HID Prox credentials (including Wiegand keypads and combination units.)

Examples of Wiegand Devices Supported:

- HID Classic Swipe Wiegand Reader Model 310 (36-bit card format compatible).
- HID ProxPro with Keypad Model 5355
- HES model RF5910 Hybrid Electric Strike with HID125k reader

*** Other formats may be accommodated for special orders. Ask your Alarm Lock Representative.

Ordering Info.

NETPDKPAK26D Complete 2-Door NetPanel System with 1 PDK wireless keypad with built in HID Prox Reader, 26D finish. **** Includes 12 volt power supply, onboard bidirectional radio, 4Ah/12V rechargeable backup battery and plug in AC transformer. (System requires use of one of the AL-IM Series Gateway Modules, separately purchased.)

NETDKPAK26D Complete 2-Door NetPanel System with 1 DK wireless keypad, 26D finish. **** Includes 12 volt power supply, onboard bidirectional radio, 4Ah/12V rechargeable backup battery and plug in AC transformer. (System requires use of one of the AL-IM Series Gateway Modules, separately purchased.)

NETPDK26D PDK Wireless Keypad with built in HID Prox Reader only, 26D finish. ****

NETDK26D DK Wireless keypad only, 26D finish.

(****Note: Special keypad finishes may also be available – ask your Alarm Lock Rep.)

NETPANEL Access Control Panel to be used with other approved Wiegand output readers. Includes 12 volt power supply, onboard bidirectional radio, 4Ah/12V rechargeable backup battery and plug in AC transformer.

DL-WINDOWS Free Alarm Lock Trilogy Microsoft Windows-based software application, v.4.177 or higher, supports Trilogy Network Wireless Keypads, Locks and Trilogy standalone locks, with single database. No-charge, downloadable online at www.alarmlock.com

AL-IM80211 Hardware/Wireless Gateway Interface Module, with integral bi-directional radio, interfaces Networkx keypads/locks with PC network with hardwired Ethernet and wireless 802.11. Powered with Class 2, 6VAC transformer (supplied). Supports up to 63 Networkx NetPanels. Two antennas. Ceiling or wall mountable.

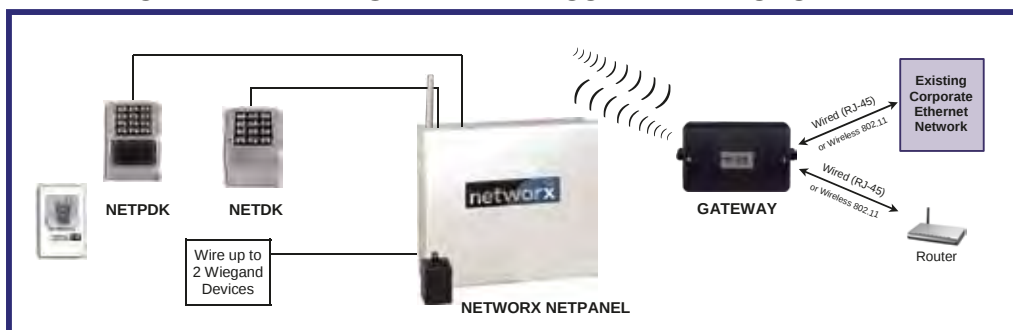
AL-IME Hardware Gateway Interface Module, supports up to 63 Networkx NetPanels, similar to above, but using hardwired connection to the network via RJ45 Ethernet cable. One antenna. Powered with Class 2, 6VAC transformer (supplied). Ceiling or wall mountable.

AL-IMEPOEP Hardware Gateway Interface Module + POE, supports up to 63 Networkx NetPanels, as above, but using hardwired Ethernet and Power Over Ethernet (P.O.E.). Connects directly to a network via Ethernet cable. One antenna. Ceiling or wall mountable.

** Note: Battery life is directly proportionate to activations: users, door usage, program updates and audit trail downloads. Expected 5 year+ battery consumption estimate assumes 2000 authorized users, 100 passes per day, 365 days per year; daily updates changing one user and downloading 200 logged events every day.

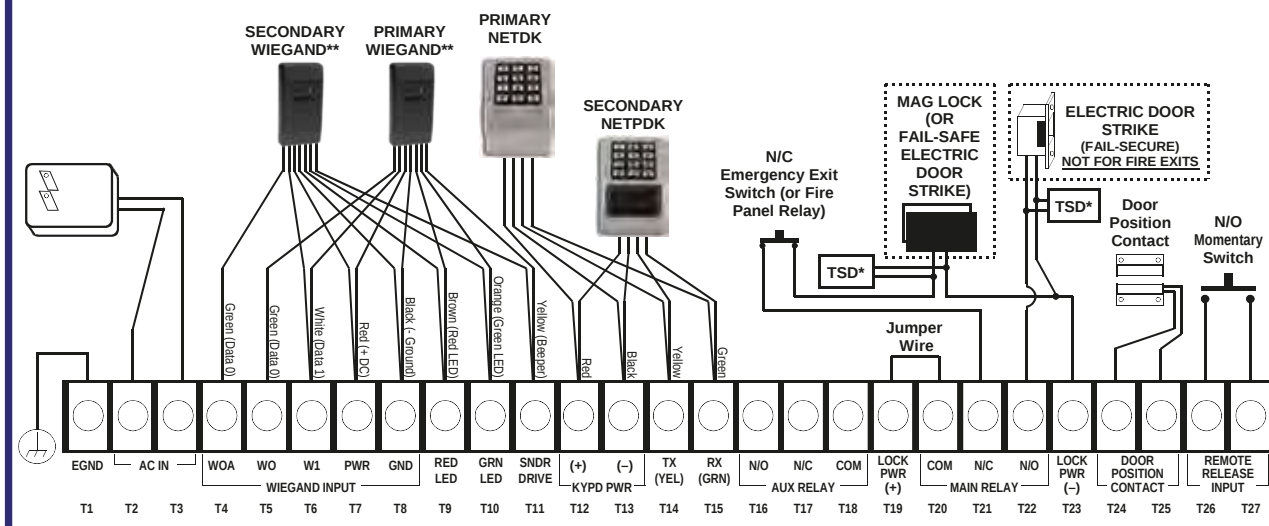
*** Note: Actual coverage is dependent upon building construction and mounting location of Gateway. Multiple AL-IM Series Gateways may be used for large coverage areas.

SIMPLE NETWORKX WIRELESS KEYPAD SYSTEM



MAGNETIC LOCK AND/OR ELECTRIC DOOR STRIKE ONE OR TWO DOORS/ TWO KEYPADS AND/OR TWO WIEGAND DEVICES

The system is capable of controlling two doors using up to two of any combination of NETDK or NETPDK keypads, PLUS up to two Wiegand devices. Two auxiliary Form-C relays are available for up to two of any combination of magnetic locks and/or electric door strikes.



*TSD = Transient Suppression Device (two supplied): Mount the TSD as close to the device to be protected as possible.

**Example device shown: HID ProxPoint® Plus Model 6005B.