## **Trilogy** Ordering Information

### Choice of three standard Trilogy finishes





IIS10R Duronodio

### U.S. Handing options







00 Straight Leve

75 Regal Curved Lever

25 Turnpiece 50 Knob available on DL1250/1350

### **DL-WINDOWS Trilogy Software**

Free Alarm Lock Trilogy Microsoft Windows-based software application, for programming, entering users, receiving audit trail from lock or used with ALDTMs to transfer data. Version.4.177 or higher, supports Trilogy Networx, Wireless Keypads, Locks and ArchiTech series, and Trilogy standalone

locks, with single database. Downloadable free at www.alarmlock.com. For enterprise network software options, and real-time performance, see pg.15

### Trilogy audit trail and programming

### **AL-IR1 Infrared Printer**

Prints the event log and user code with hand-held convenience.

### **AL-DTMIII Data Transfer Module**

Module used to transfer program data from the PC to the lock and receive Audit Trail from the lock. Can transfer program data for up to 200 locks.

### AL-PRE2 Dual Function Reader/Enroller for Smart Cards or **Prox IDs**

Just tap the Smart Card or Prox ID device to the unit's faceplate to automatically enroll in DL-WINDOWS software database. (9V battery operation.)

### AL-PCI2U Lock / PC Interface (shown)

Interface cable interconnects lock and PC for data transfer with USB interface cable. (AL-PCI also includes DL-WINDOWS CD). Also available AL-PCI2 w/o USB.

### **Remote Release Kit**

### **RR-TRILOGYKIT**

Remote release kit for all Trilogy Cylindrical models includes the **RR-1BUTTON** for desk mount applications and **RR-RECEIVER** for installation inside the battery compartment of any cylindrical Trilogy lock (Simply connects to the 2 white remote release wires inside. Retrofits any existing cylindrical Trilogy manufactured since 1994.

Also available for Mortise and Exit Trim models, **RR-MORTISEKIT** and **RR-EXITTRIMKIT**, respectively. (Note: individual kit components, in blue, are also separately available.)





### **Trilogy Narrow Stile**

### DL1200/26D1

Model Type      PDL – Prox/PIN      DL – Digital PIN      Trilogy Series      12 – 2700 Series      13 – 3000 Series      Trim      00 = Lever      25 = Turnpiece      50 = Knob      75 = Regal lever      Finish      //26D Satin Chrome      /10B Duronodic      /MS Metallic Silver      /MB Metallic Bronze	Mechanical Dead Latch        1 – Supports Adams Rite:        4710, 4730, 4900 Series        2 – Supports Adams Rite:        4070, MS1850S,        MS1850S-050, MS1950,        MS1850S-050        3 – KIT Includes Adams Rite        4900 with 1-1/2" backset,        628 & 313 faceplate        4 – KIT Includes Adams Rite        4900 with 1-1/2" backset,        628 & 313 faceplate
---	---





11

### Wireless Networx Locks: Easily-networked access locks



# Create a Wireless Access System simply, with Trilogy Networx<sup>™</sup> Locks via 802.11 or ethernet network

### DL6100 & prox/PIN version PDL6100

Trilogy Networx 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 Networx' 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 Networx locks can seamlessly share one common database hosted on free Alarm Lock DL-WINDOWS software.

• Trilogy Networx Locks communicate wirelessly via Ethernet, Bluetooth LE 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 Networx 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 Networx PC, any Networx lock or Keyfob RR-4BUTTON. (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 Networx 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<sup>™</sup> 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.)

## Wireless Networx Locks: Easily-networked access locks

- 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 Networx 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 Networx 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 Networx 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). (v4.1.x or higher).
- Minimizing hardware & installation costs, a single gateway module can interface between the PC network and up to 63 Networx locks, with a range of up to 900' clear field range or up to 200' depending on building construction. At its maximum, a Trilogy Networx system can comprise up to 32 gateways for the networking of up to 2000 locks or access controlled doors. New Gen 2 Gateways & Expanders for easiest networking (see pg 17<sup>#</sup>)
- 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 Jack); the wired versions use an RJ-45 Ethernet cable. Networx 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

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

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, Real-Time Performance

- Networx locks can be used as wireless, singledoor controllers in real time too
- Use with Contintental Access® CA3000, CA4K®, or Lenel OnGuard® Integrated Access Control & Video Security Platforms<sup>‡‡</sup>

### CardAccess 3000 @ CA4K

### **Trilogy Networx 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.
- PDL versions, 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 alss 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

### AL 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)

<sup>++</sup>**Important: For enterprise integration** consult technical documentation to match proper AL hardware (Gateways, Expanders,etc.) with enterprise software Versions supported.

## Trilogy Networx: Wireless networked access for every application



### More Networx Locks, Accessories Models & Other Options:

**PDL6100** Cylindrical Trilogy® Networx<sup>™</sup> 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 batteryoperated (batts. supplied), serial number ID card, standard format SCI keyway for manual key override, 4-7/8" ASA Strike (incldd).

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

**PDL6500** Trilogy® Networx<sup>™</sup> 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 batteryoperated (batts. supplied), serial number ID card, standard format SCI keyway for manual key override, 4-7/8" ASA Strike (incldd).



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

**PDL8200** Cylindrical Trilogy Networx<sup>™</sup> iClass<sup>™</sup> 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).

PDL8600 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



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

standard RIM and IC RIM Cylinder. Supports most panic exit devices, including Von Duprin<sup>®</sup>, Corbin<sup>®</sup>, Yale<sup>®</sup>, Dorma<sup>®</sup>, Arrow<sup>®</sup>, Sargent<sup>®</sup>, Precision<sup>®</sup> and Cal Royal<sup>®</sup>

**ETPDN Networx 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-PRE2 or entering directly from computer using DL-WINDOWS Networx software.

For Networx Wireless Keypads, see pg 10

# Access Control Locks & Special Models

PDL6500	PDL8200	DL1200	P/DL1300	ETDL	ETPDL	P/ETDLN	DL1200ET	P/DL1300ET	DK3000	PDK3000	NETDKPAK	NETPDKPAK	N90S/ST	N955/T	N951/J
Mortise Prox Ethernet	Cylindrical Prox Ethernet	Narrow Stile	Narrow Stile	For use w/ panic device	For use w/ panic device ,Prox	For use w/ panic device Ethernet	Narrow Stile For use w/ panic device	Narrow Stile For use w/ panic device	Standalone Keypad	Standalone Keypad, Prox	Keypad Ethernet	Keypad, Prox Ethernet	Cylindrical Surface Mount, Ethernet	Mortise Surface Mount, Ethernet	Mortise Insert Electronics, Ethernet
000	5000	100	2000	2000	2000	2000	100	2000	2000	2000	5000	5000	5000	5000	5000
6 digits	3-6 digits	3-6 digits	3-6 digits	3-6 digits	3-6 digits	3-6 digits	3-5 digits	3-6 digits	3-6 digits	3-6 digits	3-6 digits	3-6 digits			
eypad /PC	Keypad /PC	Keypad	Keypad /PC	Keypad /PC	Keypad /PC	Keypad /PC	Keypad	Keypad /PC	Keypad /PC	Keypad /PC	Keypad /PC	Keypad /PC	Card Reader/PC	Card Reader/PC	Card Reader/PC
ll metal, 2 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button	All metal, 12 button			
traight or urved lever	Straight or curved lever	Straight or curved lever, thumbturn or knob	Straight or curved lever, thumbturn or knob	Straight or curved lever	Straight or curved lever	Straight or curved lever	Straight or curved lever, thumbturn or knob	Straight or curved lever, thumbturn or knob			Straight or curved lever	Straight or curved lever	Std Lever Rose Hardware Design; Choice of 4 lever designs	Std Lever Rose Hardware Design, Custom choice of 300 Grade 1 Trim lever/knob designs	Std Lever Rose Hardware Design Custom choice of 300 Grade 1 Trim lever/knob desig
5,000	35,000		40000	40000	40000	35000		40000	40000	40000	35000	35000	40000	40000	40000
00	500		500	500	500	500		500	500	500	500	500	500	500	500
Prox HID	iClass HID Prox 13.56MHz		PDL1300 for Prox HID		Prox HID	ETPDN for Prox HID		PDL1300ET for Prox		Prox HID		Prox HID	Choice of Oval or Square Multitechnology Reader, HID,iClass; Also available Mag Swipe Reader	Choice of Oval or Square Multitechnology Reader, HID,iClass; Also available Mag Swipe Reader	Choice of Oval or Square Multitechnology Reader, HID,iClass
													T Model has Bluetooth LE App - No keys, no ID + Audit trail	T Model has Bluetooth LE App - No keys, no ID + Audit trail	J Model has Bluetooth LE App - No keys, no ID + Audit trail
Global lockdown	Global lockdown					Global Lockdown					Global lockdown	Global lockdown	Global lockdown	Global lockdown	Global lockdown
													FD	CR Classroom or DB Deadbolt; FD	CR Classroom or I Deadbolt; FD
itandard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard			
landed; Field eversible	Nonhanded	Nonhanded	Nonhanded	Nonhanded.	Nonhanded.	Nonhanded.	Nonhanded	Nonhanded			Nonhanded	Nonhanded	Nonhanded	Handed; Field Reversible	Handed; Field Reversible
-5/8 to -7/8"	1-5/8 to 1-7/8″ others upon request	1-3/4″	1-3/4"	1-5/8 to 1-7/8" (others on request.)	1-5/8 to 1-7/8" (others on request.)	1-5/8 to 1-7/8" (others on request.)	1-3/4″	1-3/4″			1-5/8 to 1-7/8" others upon request	1-5/8 to 1-7/8" others upon request	1-5/8" to 1-7/8" others upon request	1-5/8" to 1-7/8" others upon request	1-5/8" to 1-7/8" others upon request
2-3/4" included)	2-3/4" (included) 2-3/8" opt.	31/32", 1-1/8", 1-1/2"	31/32", 1-1/8", 1-1/2"				31/32", 1-1/8", 1-1/2"	31/32", 1-1/8", 1-1/2"			2-3/4" (included) 2-3/8" opt.	2-3/4" (included) 2-3/8" opt.	2-3/4" (included)	2-3/4" (included)	2-3/4" (included)
Generic mortise cylinder, supplied.	Large key-in- knob, incld -or- IC Prep for Best/Falcon/ Arrow (w/o cyld.)	Generic 1-1/4" mortise cylinder, supplied. 1-1/8", 1-1/4" 1-3/8" supported	Generic 1-1/4" mortise cylinder, supplied. 1-1/8", 1-1/4" 1-3/8" supported	Generic Rim Cylinder, supplied. Other mfrs. Cylinder Adapters must be ordered separately.	Generic Rim Cylinder, supplied. Other mfrs. Cylinder Adapters must be ordered separately.	Generic Rim Cylinder, supplied. Other mfrs. Cylinder Adapters must be ordered separately.	Generic 1-1/4" mortise cylinder, supplied. 1-1/8", 1-1/4" 1-3/8" supported	Generic 1-1/4" mortise cylinder, supplied. 1-1/8", 1-1/4" 1-3/8" supported			Large key-in- knob, incld -or- IC Prep for Best/Falcon/ Arrow (w/o cyld.)	Large key-in- knob, incld -or- IC Prep for Best/Falcon/ Arrow (w/o cyld.)	Large key-in knob, incld or IC prep for Best/Falcon/Arrow	Generic mortise cylinder supplied	Generic mortise cylinder supplied
	Yale, Medeco, Sargent, Corbin/ Russwin, Schlage	Yale, Medeco, Corbin/ Russwin, Schlage	Yale, Medeco, Corbin/ Russwin, Schlage				Yale, Medeco, Corbin/ Russwin, Schlage	Yale, Medeco, Corbin/ Russwin, Schlage			Yale, Medeco, Sargent, Corbin/ Russwin, Schlage	Yale, Medeco, Sargent, Corbin/ Russwin, Schlage	Yale, Medeco, Sargent, Corbin/ Russwin, Schlage	Best/Falcon/ Arrow, Schlage (Note: must order appropiate IC Housing)	Best/Falcon/ Arrow, Schlage (Note: must order appropiate IC Housing)
es	yes			yes	yes	yes			yes	yes	yes	yes			
C cells years 00,000	4 C cells 5 years 500,000	2-3V Lithium, 100,000	2-3V Lithium, 80,000	5AA; 60000	5AA; 60000	4 C cells, 5 years/500,000	2-3V Lithium, 100,000	2-3V Lithium, 80,000			4 C cells 5 years 500,000	4 C cells 5 years 500,000	4 AA, 3 years / 100,000 (w/ Power Saver Circuit)	4 AA, 3 years / 100,000 (w/ Power Saver Circuit)	4 AA, 3 years / 100,000 (w/ Pow Saver Circuit)
Hr Fire ated UL	BHMA Grade 1 Lockset; 3hr. Fire Rated UL								UL	UL	Pending	Pending	BHMA Grade 1 Lockset; 3hr. Fire Rated UL	BHMA Grade 1 Lockset; 3hr. Fire Rated UL	BHMA Grade 1 Lockset; 3hr. Fire Rated UL
S26D, 10B	US26D, 10B	US10B, US26D, MS, MB	US10B, US26D, MS, MB	US26D, US3, 10B	US26D, US3, 10B	US26D, US3, 10B	US10B, US26D, MS, MB	US10B, US26D, MS, MB	US10B, US26D, MS, MB	US10B, US26D, MS, MB	US26D, 10B	US26D, 10B	Customizable; Std US26D, 10B	Customizable; Std US26D, 10B	Customizable; Std US26D, 10B