

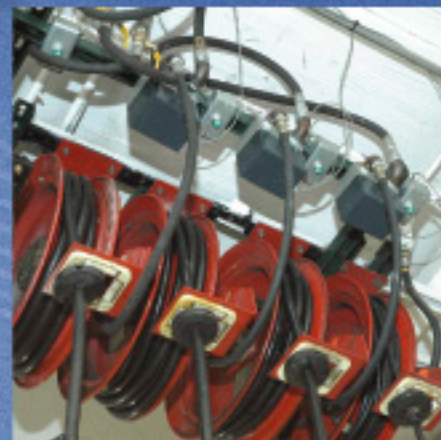
LINCOLN

®

LFC 5000

Versatile and Dependable Fluid Inventory Control and Management System

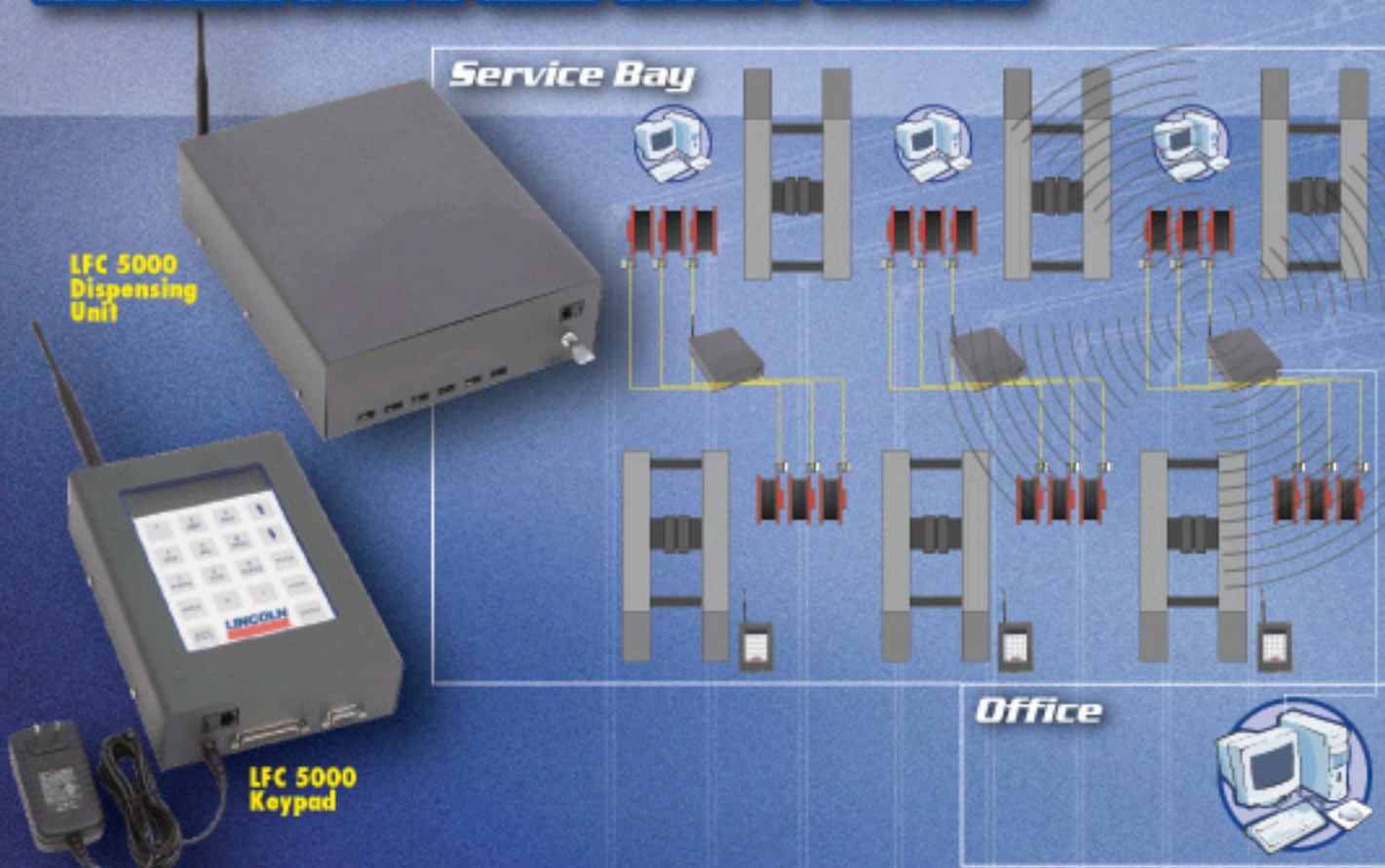
- Control system saves money and time by accurately tracking and accounting for dispensed fluids
- System provides 100% interface reliability with management software like ADP and Maximus
- It combines the dependability of a wired system with the benefits of a wireless system
- Multiple users can dispense simultaneously on the same system
- Simple, packaged design means easy installation
- Three levels of security let you decide who can use, program and monitor the system
- System manages up to 32 fluids and 300 dispense locations with one complete system
- High-flow dispense locations (15+ gpm) can mix with standard flow locations



Patent Pending

WIRED, WIRELESS OR BOTH

LESS WIRE MEANS LOWER INSTALLATION COSTS



WIRED, WIRELESS OR BOTH

The LFC 5000 is a versatile system that can adapt to any location. The popular wireless network is a great tool that maximizes installation savings due to reduced component and labor requirements. However, if the building has trouble housing a wireless system, the LFC 5000 can be partially wired or even totally wired to overcome wireless barriers.

Every LFC 5000 system is hard wired from the dispense point to the dispense unit. Wireless capabilities exist from the dispense unit to the keypad to the PC. Lincoln utilizes Wifi as the wireless protocol (80211.b) which is a fast and mature protocol that easily integrates into a wired Ethernet network.

WIRED COMMUNICATION

The LFC5000 wired system is based on an Ethernet network. Ethernet is the new standard that allows for easy, fast and 100% reliable communication which is key when the control system is interfaced with a dealer management system. Wire required for an Ethernet system can be purchased at just about any hardware store. The connections are easy; simply plug each keypad and dispense unit into each other with the Cat 5 Ethernet cable.

DESIGNED FOR EASY INSTALLATION

The LFC 5000 contains three simple major hardware components:

- **Dispense Unit** - integrated power supply with plug-in connections to the Combination Unit and network
- **Combination Unit** — consists of the pulse meter, solenoid and contaminant filter
- **Keypad** — contains an integrated power supply with plug-in connections for parallel port printer and bar code scanner

Pre-assembled wires are available in five popular lengths to eliminate intricate wire gauge-per-length calculations.

DESIGNED FOR EASY USE

With three levels of access, users can manage up to 32 fluids and 300 dispense locations with one complete system. Technicians can initiate a dispense from any keypad, shop PC or master PC.

DESIGNED FOR DURABILITY

The “brains” of the LFC 5000 can be located on the wall of the service bay, away from the day-to-day service bay hazards. On other wireless systems, the most expensive and delicate part of the system is located in the hand-held dispensing meter, which is in constant use and abuse during working hours.



LFC 5000 COMPONENTS



500000 Dispense Unit

One per 6 nooks (outputs). Includes a 7 ft, 110-volt power cable.



500001 Keypad

System setup, initiate dispense and print reports. Ports for a parallel port printer and Lincoln bar code scanner. Includes a 6 ft, 110-volt power cable.



500002 Keypad or DU Wireless Kit

Kit includes a wireless adapter and antenna that can be installed in either a keypad or DU.



500003 Master PC Software w/Remote Report Software

CD that includes the software for the master PC, remote report software and firmware updater.



500004 Virtual Keypad Software License for use on 10 PCs

Software that allows the ability to initiate a dispense from a shop PC.



500025 Combo Unit 25' Cable Assembly

25 ft of wire used to connect a combo unit or master air solenoid to a DU input.



500016 Ready Light Assembly

The optional ready light illuminates when the fluid solenoid is open and the station is ready to dispense.



500020 Combo Unit

Includes solenoid, pulse meter, 150 micron filter. Prewired with connections for ready light and dispense unit wire.



282886 Master Air Solenoid

An optional safety feature that only activates when the system is in use. Connects to one of the inputs on the DU.



500037 Bar Code Scanner

This optional accessory includes a 6 ft cable that plugs into a keypad's serial port. Inputs one line of text per scan.

LFC 5000 TECHNICAL DATA

System Specifications

Dispense Points per DU	6
Dispense Units per System	50
Maximum Dispense Points	300
Maximum Number of Fluids	32
Maximum Number of Keypads	50
Maximum Number of Virtual Keypads	30
Master Air Solenoid Output per System	1

Printer 1 parallel port is on each keypad that will use any standard printer with a parallel port connection

Electrical Specifications

Keypad Power Input	90 to 240 VAC, 50/60 Hz
Dispense Unit Power Input	100 to 240 VAC, 50/60 Hz
Ready Light	0.1 Amp @ 24 VDC
Combo Unit	0.8 Amp @ 24 VDC
Master Air Solenoid	0.1 Amp @ 24 VDC

Lincoln Components

6 in. Combo Unit pigtail	500006
25 ft. Combo-Unit-to-Dispense-Unit Cable Assembly	500025
50 ft. Combo-Unit-to-Dispense-Unit Cable Assembly	500050
75 ft. Combo-Unit-to-Dispense-Unit Cable Assembly	500075
100 ft. Combo-Unit-to-Dispense-Unit Cable Assembly	500100
150 ft. Combo-Unit-to-Dispense-Unit Cable Assembly	500150
Pack of 25 Dispense Unit Male Connectors	500025
Hose Number Decals - 1 through 50	500007
Dispense Unit 12ft. Power Cable	500041
Dispense Unit 20ft. Power Cable	500042

Master Air Solenoid Wire Any of the Combo-Unit-to-Dispense-Unit Cable Assemblies listed above

*Network Wire Cat 5 or Cat 6

Operator Capacities

Number of Users	200
Simultaneous Dispenses	300
Transaction Logs	2000

* Not supplied by Lincoln

Report Capability

Transaction Ticket	Prints a transaction per page to the default printer on the master PC and/or 1 or 2 different printers connected to keypads
All User Reports	List of user names with their corresponding pin numbers and levels of access
System Configuration Report	Record of system "set-up" for reconfiguration and service
Tank Status Report	Record of current levels, capacities and alarm alerts
Transaction Report	Record of product usage and total with below filters
Transaction Report Condensed	Print-friendly report designed to minimize paper
Filters	Date range Transaction state - completed but now closed, failed with error, pending dispense, completed and closed, canceled by user Hose Tank User Sort by any input

Dispense Timeouts

Initial Timeout	0 to 1200 seconds
Predispense Timeout	0 to 1200 seconds
Postdispense Timeout	0 to 1200 seconds

Tank Levels and Alarms

Tank Capacity	1 to 99999 units
Delivery-Level Warning	0 to 99999
Low-Level Warning	0 to 99999
High-Level Warning	0 to 99999
Stop-Level Warning	0 to 99999
Type	New/Used

Character Lengths

User Name	16
User Code	16
Optional Fields 1 through 5	16
Tank Descriptions	16

Patent Pending