

# DECA

## ACCESS CONTROL SYSTEMS

## DIGITAL LOCKER CONTROL

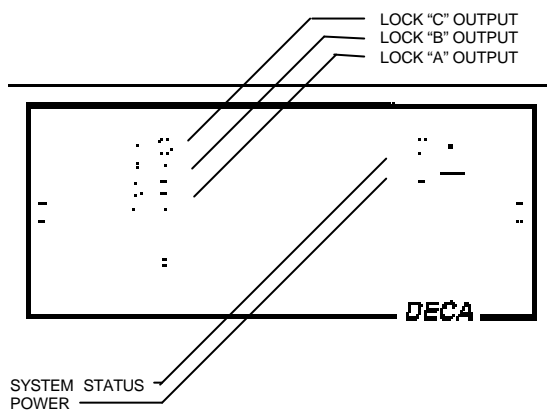
## INSTALLATION AND PROGRAMMING INSTRUCTIONS



ISSUE : 001/UK

REF : DIG\_LOCKER.PPP

### DECA CONTROL UNIT - FRONT PANEL



### MAIN FEATURES

- \* **FLUSH & SURFACE KEYPADS** - To aid system design
- \* **USER FRIENDLY SET UP** - With tone & LED indication
- \* **ACCESS CODES** - Can be any random 4 digits
- \* **PROGRAMMERS CODE** - For ease of use and security
- \* **MANAGERS CODE** - Allowing keypad to be overridden
- \* **TAMPER ALARM** - Will inhibit system for invalid codes
- \* **TAMPER ALARM OUTPUT** - Provides 5V DC 100 MA
- \* **TEST MODE** - To test keypad and relay connections
- \* **LOCK RELAY OUTPUTS** - 2 amp volt free change-over
- \* **POWER SUPPLY** - Either a simple 12v AC or DC supply

### SYSTEM DESIGN

The Deca Digital Locker Control system is a simple to install, simple to program keypad code locking system. The locker control system has been specially designed for use as a means of controlling communal or personal lockers in gyms, leisure clubs, golf clubs, swimming pools etc. or in any work situation where random 4 digit codes are needed for security or control, without the need for keys, cards, tokens or coins. Up to three keypads can be connected to each Deca

Locker Controller dealing with three separate lockers, each locker having its own keypad and locking device. Each keypad will operate independently with its own random 4 digit code with memory retained on power down.

A management code allows access to locked lockers and enables managers to isolate individual lockers to take them out of use.

### OVERVIEW

#### PROGRAMMERS CODE

The programmers code is the first six digits (\*# excluded) to be keyed in after depressing the program code switch following power up (depress switch through hole in front panel). The system will then enter the programmers mode. Valid programming entries are signalled by 2 short beeps.

Incorrect entries are ignored and signalled by 6 long beeps. When in the programmers mode the system LED (Yellow) will be on and the controller sounder will operate, the sounder will give 2 beeps (high and low tone) every 10 seconds. To leave or re-enter the program mode, enter the programmers code preceded by a #

The programmers code may be changed at any time after

initial set up from within the programmers mode by using option "00".

#### LOCKER ACCESS CODES

The Access Codes are random 4 digit codes, and may be constructed of any 4 digits 0-9 (excluding \* #) any digit may be used more than once (ie 3344). Each keypad may be set with a different code, for example, When a keypad LED is showing "Green" enter any 4 digits to lock the locker and the keypad LED will show "Red" use the same 4 digits to unlock the locker and the keypad LED will change back to "Green".

Enter any 4 digits to lock and repeat the process.

## LOCK OUTPUTS

The lock outputs will change state (flip/flop) each time a valid code is entered this can be either an access code or a management code.

## TAMPER ALARM TIME

If 13 invalid key strokes are made the alarm output will operate and the keypad reporting the tamper alarm will shut down for the programmed time. The tamper alarm time defaults to 5 secs. but may be varied by using option "20".

## TEST MODE

The test mode option "90" allows the keypad wiring & lock outputs to be tested. Each key should be pressed in sequence 0123456789\*#. A problem will be indicated by 6 long bleeps. After entering the last digit (#) the lock output will turn on, press the \* key to move on and step through the other outputs.

**NOTE:** If no keys are pressed the output will stay turned on for two minutes then step to the next output etc.

## MANAGEMENT CODE

This 6 digit code, when entered with the system in normal running mode, will reverse the current lock output state for the keypad that is used. It may be used by management to unlock a locked locker or to lock off a locker that needs to be isolated for any reason. To set the management code enter the program mode and use option "10". This sets the code and when entered preceded by a # the system will function as above.

## INSTALLATION

### KEYPADS

Install on the unsecure side of the door adjacent to the opening edge of the door.

### CONTROL UNIT

Install in a secure area within 100 metres of the keypad.

### LOCK RELEASE

Fit the door release to the frame in place of the existing lock keep.

### POWER SUPPLY

Install the power supply in a secure area and feed via a 5 Amp fused 240V 50Hz mains outlet.

### TAMPER ALARM

If required fit a 5Vdc alarm device in a secure area this will be activated by the tamper alarm output.

## CABLING

Keypad (each) .. .. controller ... .. 10 cores  
PA Alarm. ... .. controller ... .. 2 cores  
Lock Release ... .. controller ... .. 2 cores  
Power Supply ... .. controller ... .. 2 cores

## PROGRAMMING

### INITIAL SET-UP

- a. Double check all connections and power up the system.
- b. Depress the programmers code switch through the 2mm hole in the controller front panel & the system LED (yellow) will come on.
- c. Select your programmers code (6 digits excluding \* or #) and enter at keypad "A", this takes you straight to the program mode.  
**NOTE:** When in the programmers mode the system LED (Yellow) will be on and the controller sounder will operate, the sounder will give 2 bleeps (high and low tone) every 10 seconds while in the programmers mode. Valid programming entries are signalled by 2 short beeps.  
Incorrect entries are ignored and signalled by 6 long bleeps.
- d. Enter the management code using option "10".
- e. If required reset tamper alarm time (default 5 secs)
- f. Leave the programmers mode by entering the six digit programmers code preceded by a #.
- g. Test the system by entering a 4 digit access code at each keypad
- h. To re-enter or leave the program mode, enter the programmers code preceded by a #.

## PROGRAMMING OPTIONS

### CHANGE THE PROGRAMMERS CODE

00\*(NEW CODE 6 digits)\*  
(ie. 00\*112233\* = programmers code reset to 112233)

### SET THE MANAGEMENT CODE

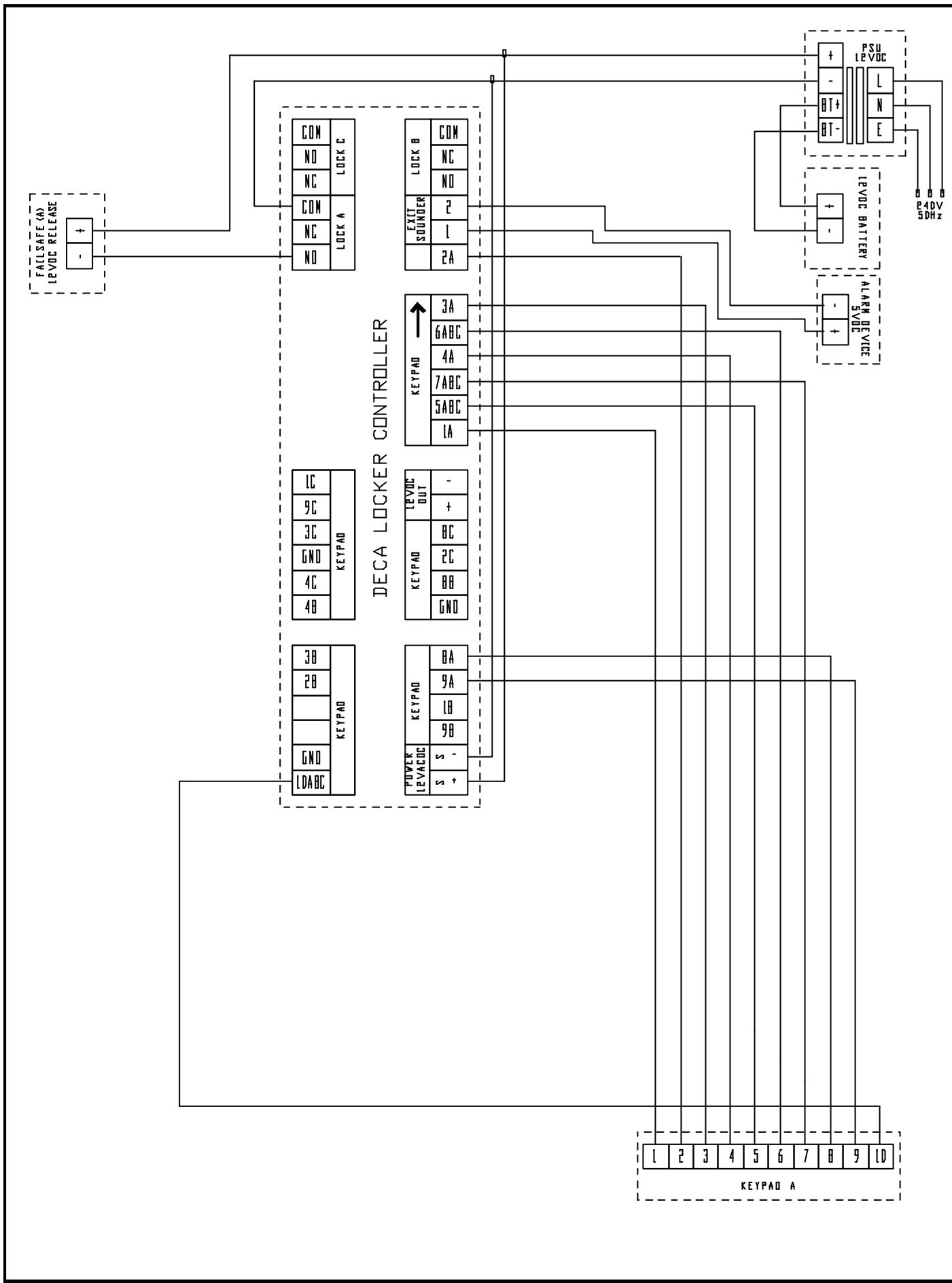
10\*(CODE 6 digits)\*  
(ie. 10\*003344\* = managers code set to 003344)

### SET THE TAMPER ALARM TIME

20\*(SEC. 3 digits)\*  
(ie. 20\*030\* = tamper shutdown & alarm set for 30 Seconds)  
Max120 seconds, default 5 seconds

### TEST MODE

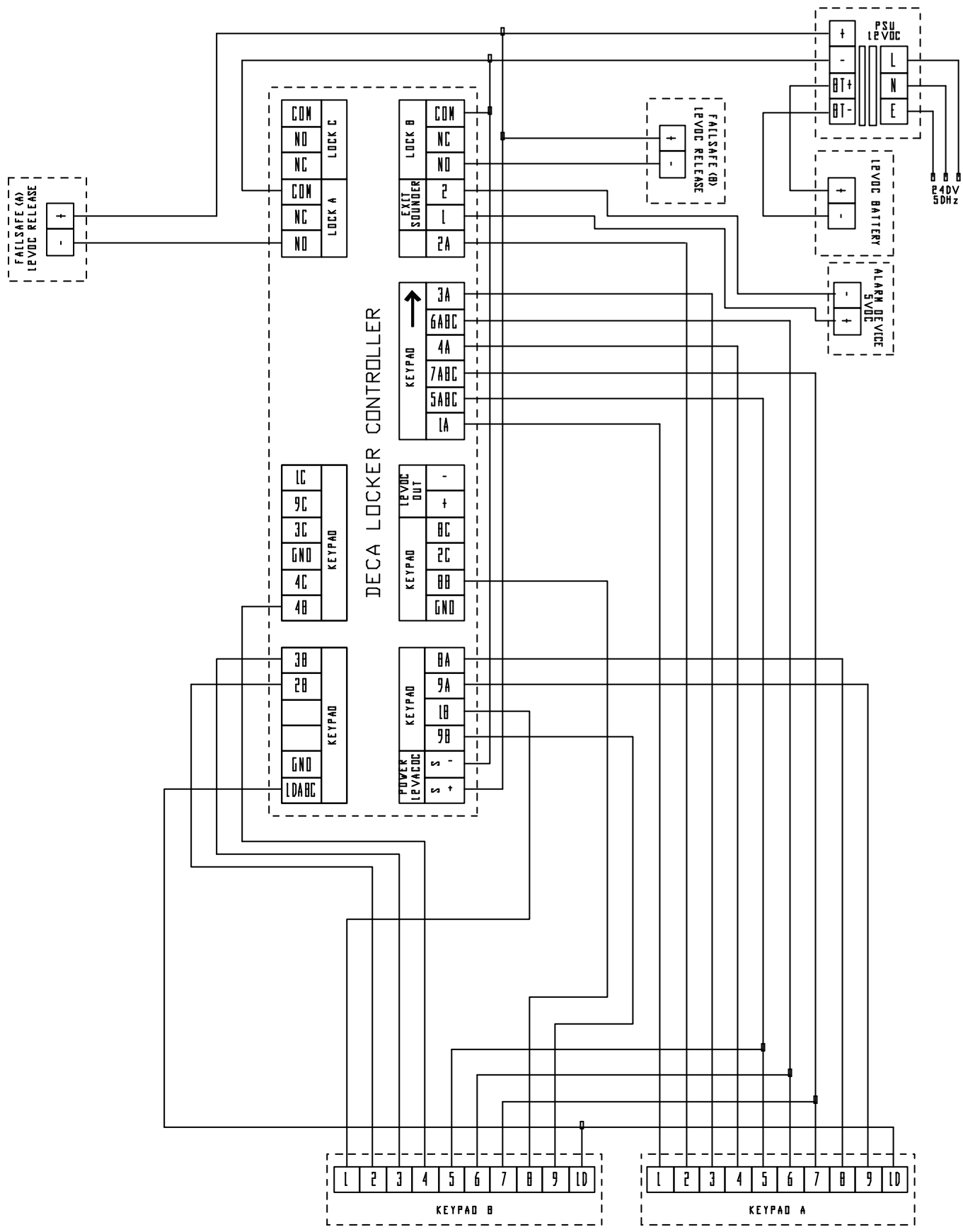
90 \* 0 1 2 3 4 5 6 7 8 9 \*# Step through outputs, pressing \*  
(ie. 90\*0123456789\*#\*\* = if OK keypad & outputs tested)



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DECA LOCKER KEYPAD  
 ACCESS CONTROL SYSTEM  
 DECA DIGITAL LOCKER CONTROL SYSTEM  
 1 x LEVOC PSU, 1 x FALLSAFE (F/UNLOCKED) LEVOC RELEASES, 1 x FLUSH LOCKER KEYPADS  
 AND  
 1 x DECA LOCKER CONTROLLER WITH 5VDC TAMPER ALARM DEVICE

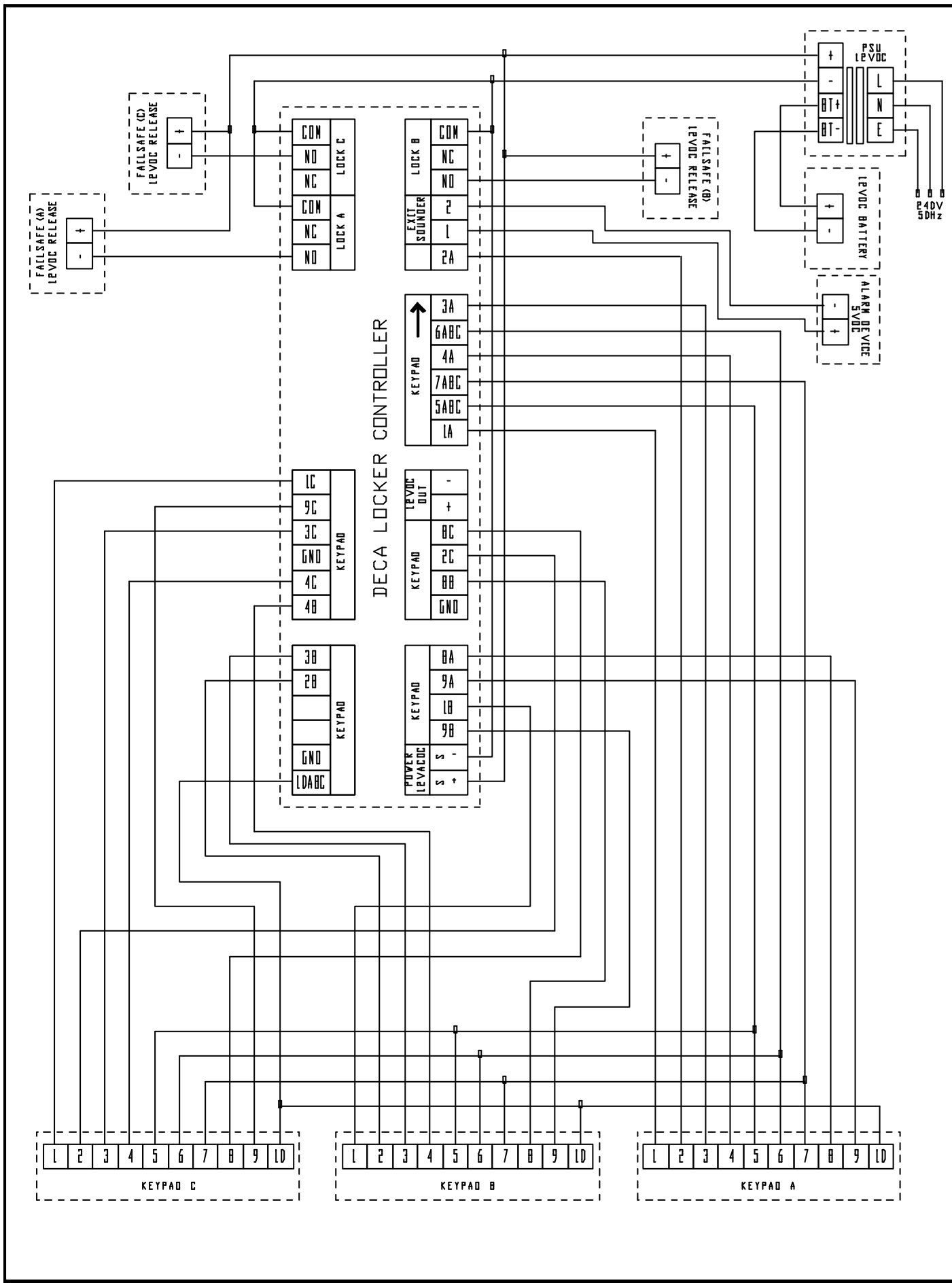
DRAWING NUMBER  
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 015\_001



DATE L4-3-2006  
 ISSUE 002  
 DRAWN KGJ

DECA LOCKER KEYPAD  
 ACCESS CONTROL SYSTEM  
 DECA DIGITAL LOCKER CONTROL SYSTEM  
 1 x LEVDC PSU, 2 x FALLSAFE (F/UNLOCKED) LEVDC RELEASES, 2 x FLUSH LOCKER KEYPADS  
 AND  
 1 x DECA LOCKER CONTROLLER WITH 5VDC TAMPER ALARM DEVICE

DRAWING NUMBER  
 DECA-LOC  
 015\_002



DATE L4-3-2006  
 ISSUE 002  
 DRAWN KGJ

**DECA LOCKER KEYPAD**  
**ACCESS CONTROL SYSTEM**  
 DECA DIGITAL LOCKER CONTROL SYSTEM  
 1 x LEVOC PSU, 3 x FALLSAFE (F/UNLOCKED) LEVOC RELEASES, 3 x FLUSH LOCKER KEYPADS  
 AND  
 1 x DECA LOCKER CONTROLLER WITH 5VDC TAMPER ALARM DEVICE

DRAWING NUMBER  
**DECA-LDC**  
**015\_003**







