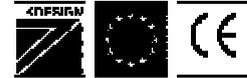


DECA PRINTER INTERFACE ACCESS CONTROL SYSTEMS

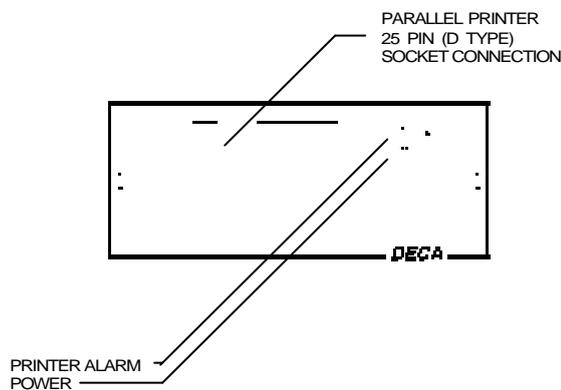
INSTALLATION AND PROGRAMMING INSTRUCTIONS



ISSUE : 001/UK

REF : PRINT.PPP

DECA PRINTER INTERFACE - FRONT PANEL



MAIN FEATURES

- * **PRINTER INTERFACE** - Downloads to printer all DECA door events
- * **MESSAGE LOG** - Will roll over last 100 events when printer is off line
- * **TWO DOOR INSTALLATIONS** - Individual numbering for door inputs
- * **MULTIPLE DOOR INSTALLATIONS** - Units connect via parallel buffers
- * **USER FRIENDLY SET UP** - With tone and LED indication of system state
- * **FAULT MONITORING** - Will monitor DECA fault and power conditions
- * **PARALLEL PRINTER OUTPUT** - Uses standard PC to printer cable
- * **PRINTER DRIVER** - Epson compatible 80 column dot matrix
- * **POWER SUPPLY** - Can be either a simple 12V AC or 12V DC input

SYSTEM DESIGN

The DECA Printer Interface is a simple to install, simple to program, event logger, that can be connected to an 80 column dot matrix parallel printer.

It is ideal for monitoring personnel access to areas such as computer rooms, stores areas, accounts offices etc.

The DECA Printer interface will accept inputs from two DECA door control units and therefore it can easily monitor a door that has access control for both entry & exit (ie. code in/code out or card in/card out).

Each of the DECA door controllers can be given a unique reference number (from 01-99) and the DECA Printer interface units can be connected together via additional parallel printer buffers allowing

multiple door installations to be logged by a single printer.

The 100 code system should be used in preference to the two code system because authorised personnel (upto 100 individuals) can select their own 4 digit code, each of which will be recorded when used.

Any of the mag swipe card or proximity tag systems may be chosen as all will identify the users door events through their individually validating cards or tags.

In multiple door installations the keypads, mag swipe card readers or proximity tag readers can be programmed to restrict specific users at specific doors and record their actions.

OVERVIEW

PRINTER INTERFACE CONTROLLER

The DECA Printer Interface allows connection of upto two doors to an industry standard parallel printer via an industry standard PC to printer cable to give a hard copy print out of all DECA door controller events.

EVENT LOG

The interface unit will hold a log of upto the last 100 unprinted events if the printer is off-line for any reason, and will then download the events to the printer on reconnection.

PRINTER ALARM

The interface unit will give an audible and visual alarm if the printer is off line.

The audio alarm may be manually cancelled by pressing the hash key (#) but the visual alarm will only be reset when the printer is back on line.

PROGRAMMING AND SET-UP

The interface unit is easy to set up and valid programming entries are signalled by two short bleeps incorrect entries are ignored and signalled by six long bleeps. The unit comes set up with standard default settings that will be applicable to all simple installations up to two doors.

DEFAULT VALUES

- DECA data In Door (1) - door number - 01
- DECA data In Door (2) - door number - 02
- DECA data In Door (1) - door type - (1) entry
- DECA data In Door (2) - door type - (1) entry
- DECA data In Door (1) - manual exit - (1) yes
- DECA data In Door (2) - manual exit - (1) yes
- Printer output mode - (0) carriage return only at line end

LIST OF EVENT MESSAGES

Every event message will be preceded by the Day, Date, Time and the number of the door that generated the message.
ie. Thu 01-09-95 11-22-06 Door 87 (event message)

DIGITAL DECA CONTROLLERS

The following is a list of event messages that can be generated from a Digital DECA Controller.

Entry Permitted Code (code location)

The access code stored in one of the code locations was entered and the door was opened.
Door type = (1) entry.

Entry Permitted Code (code location) * duressed *

The access code stored in one of the code locations was entered preceded by the duress signal (*) and the door was opened.
Door type = (1) entry.

Exit Permitted Code (code location)

The access code stored in one of the code locations was entered and the door was opened.
Door type = (2) exit.

Exit Permitted Code (code location) * duressed *

The access code stored in one of the code locations was entered preceded by the duress signal (*) and the door was opened.
Door type = (2) exit.

Override Request Entry Code (code location)

The access code stored in one of the code locations was entered when the DECA controller had been put into Shut Down Mode.
Door type = (1) entry.

Override Request Entry Code (code location) * duressed *

The access code stored in one of the code locations was entered preceded by the duress signal (*) when the DECA controller has been put into Shut Down Mode.
Door type = (1) entry.

Override Request Exit Code (code location)

The access code stored in one of the code locations was entered when the DECA controller had been put into Shut Down Mode. Door type = (2) exit.

Override Request Exit Code (code location) * duressed *

The access code stored in one of the code locations was entered preceded by the duress signal (*) when the DECA controller has been put into Shut Down Mode.
Door type = (2) exit.

Lock Operated Code (code location)

The access code stored in one of the code locations was entered but the door was not opened.

Lock Operated Code (code location) * duressed *

The access code stored in one of the code locations was entered preceded by the duress signal (*) but the door was not opened.

CARD & CARD/PIN DECA CONTROLLERS

The following is a list of event messages that can be generated from Card or Card/PIN DECA Controllers (The term "card" should also be applied to proximity tags).

Entry Permitted Card (encoded number)

A valid card was used and the door was opened.
Door type = (1) entry.

Entry Permitted Card (encoded number) * duressed *

A valid card was used and the valid PIN was entered preceded by the duress signal (*) and the door was opened.
Door type = (1) entry.

Exit Permitted Card (encoded number)

A valid card was used and the door was opened.
Door type = (2) exit.

Exit Permitted Card (encoded number) * duressed *

A valid card was used and the valid PIN was entered preceded by the duress signal (*) and the door was opened.
Door type = (2) exit.

Override Request Entry Card (encoded number)

A valid card was used when the DECA controller had been put into Shut Down Mode.
Door type = (1) entry.

Override Request Entry Card (encoded number) * duressed *

A valid card was used and the valid PIN entered preceded by the duress signal (*) when the DECA controller has been put into Shut Down Mode.
Door type = (1) entry.

Override Request Exit Card (encoded number)

A valid card was used when the DECA controller had been put into Shut Down Mode.
Door type = (2) exit.

Override Request Exit Card (encoded number) * duressed *

A valid card was used and the valid PIN entered preceded by the duress signal (*) when the DECA controller has been put into Shut Down Mode.
Door type = (2) exit.

Lock Operated Card (encoded number)

A valid card was used but the door was not opened.

Lock Operated Card (encoded number) * duressed *

A valid card was used and a valid PIN was entered preceded by the duress signal (*) but the door was not opened.

GENERAL EVENT MESSAGES

Normal Exit Push Button

The exit push button was operated and the door was opened.

Exit Push Button Operated

The exit push button was operated but the door was not opened.

Door Forced

The door was opened without a valid entry or exit signal.
Door type = manual exit (2) No

Door Open

The door was opened without a valid entry or exit signal.
Door type = manual exit (1) Yes

Door Left Open Too Long

The door alarm was activated following the expiry of the door open timer.

Door Secure

The door was closed following the "Door left open too long" message.

Tamper Alarm

This message is generated by all of the following

1. 13 invalid key presses (digital system)
2. 3 invalid card reads (card or card/PIN system)
3. Deleted card used (card or card/PIN system)

INSTALLATION & PROGRAMMING

P.A. Alarm

This message is generated when the * and # buttons are pressed together ie. panic alarm.

DECA Powered Up

This message is generated when a DECA door controller is powered up.

DECA PROG MODE/ OFF-LINE

This message is generated by all of the following:

1. When a corrupt message is received from the DECA controller
2. When the Printer Interface cannot communicate with the DECA controller (ie. in programming mode or DECA fault).

Printer Off-Line

This message is generated by all of the following:

1. When the printer is turned off
2. When the printer cable is disconnected
3. When the printer is taken off line
4. When the printer is out of paper
5. When the printer is busy for more than 10 seconds

Printer On-Line

This message is generated by all of the following:

1. When the printer is powered up
2. When the printer is connected
3. When the printer is put back on-line
4. When the printer has paper restored
5. When the printer ceased to be busy

Printer Audio Alarm Cancelled

This message is generated when the # key has been pressed on the printer interface unit to cancel the audible alarm.

Current Set-Up Printed

This message is generated when the command 00* is used to print the current set up.

INSTALLATION INSTRUCTIONS

PRINTER INTERFACE

Install within the secure area adjacent to the printer position, to be within 100 meters of the DECA door controllers.

POWER SUPPLY

Feed via the DECA door controller PSU, or when installed to monitor two DECA controllers fed all three units via the same PSU, feed the PSU via a 5amp fused 240V 50Hz mains outlet.

CABLING

Door 1 DECA control unit to Interface unit - 8 cores
Door 2 DECA control unit to Interface unit - 8 cores
Interface Unit to Parallel Printer - standard PC parallel printer cable

PARALLEL PRINTER

The printer interface has been designed to operate with any Epson compatible 80 column dot matrix parallel printer using 9"x11" continuous fan fold paper.

PROGRAMMING OPTIONS & EXAMPLES

PRINT CURRENT SET UP

00*

SET DAY OF THE WEEK

10 * (day of the week - Mon = 1 to Sun = 7) *
(ie. 10 * 1 *) = day of the week set to Monday

SET DATE OF THE MONTH

13 * (date of the month - 1 to 31) *
(ie. 13 * 1 *) = date of the month set to 1st
Note: there is no check that the day entered is valid for the month, ie. 31 February would be accepted.

SET MONTH

16 * (month - 1 = Jan to 12 = Dec) *
(ie. 16 * 1 *) = month set to January

SET HOURS

20 * (hours - 0 to 23) *
(ie. 20 * 23 *) = hours set to 23.00 hours

SET MINUTES

30 * (minutes - 0 to 59) *
(ie. 30 * 59 *) = minutes set to 00.59

SET SECONDS

40 * (seconds - 0 to 59) *
(ie. 40 * 59 *) = seconds set to 00.00.59

SET DOOR NUMBER

For DECA Data in Door 1:
51 * (door number - 01 to 99) *
(ie. 51 * 23 *) = door number for DECA Data In 1 is set to door number 23
For DECA Data In Door 2:
52 * (door number - 01 to 99) *
(ie. 52 * 09 *) = door number for DECA Data In 2 is set to door number 09

SET DOOR TYPE

For DECA Data In Door 1:
61 * (door type - 1 = entry, 2 = exit) *
(ie. 61 * 1 *) = door type for DECA Data In 1 set to entry
For DECA Data In Door 2:
62 * (door type - 1 = entry, 2 = exit) *
(ie. 62 * 2 *) = door type for DECA Data In 2 set to exit

SET DOOR MANUAL EXIT TYPE

For DECA Data In Door 1:
71 * (door exit type - 1 = manual exit Yes, 2 = manual exit no) *
(ie. 71 * 1 *) = door exit type for DECA Data In Door 1 is set to manual exit yes
For DECA Data In Door 2:
72 * (door exit type - 1 = manual exit Yes, 2 = manual exit no) *
(ie. 72 * 2 *) = door exit type for DECA Data In Door 2 is set to manual exit no

SET BASE YEAR

97 * (year - 00 to 99) *
(ie. 97 * 95 *) = year is set to 1995
Note: The clock chip runs for four years from this base before it needs resetting.

SET PRINTER OUTPUT MODE

98 * (printer output mode - 0 or 1) *
0 = carriage return only at line end
1 = carriage return and line feed at line end
(ie. 98 * 1 *) = printer output mode set to carriage return and line feed at line end.
Note: If when connected, your printer continues to print on the same line without an automatic line feed, re-set the output mode to 1.

RESET DEFAULTS

99 *
All values are set back to default and the message buffer is cleared.

