

Introduction - Digitac K99i

- Panel Mount Keypad Module & Back lit Buttons in Steel Housing
- 12V/24V AC/DC Supply
- 99 user codes, 4-8 digits length (In 2 groups)
- Independent Lock & Auxiliary outputs (C, N/O, N/C, Max 24V 3A)
- Egress /Request to Exit input (N/O input)
- Door monitoring function (N/C input)
- Door forced open Indication / Alarm (12VDC 500mA voltage O/P)
- Tamper output, activates Alarm Output
- Programed by Keypad & Jumpers
- Non-volatile memory in the event of power failure
- Screw Terminal connections

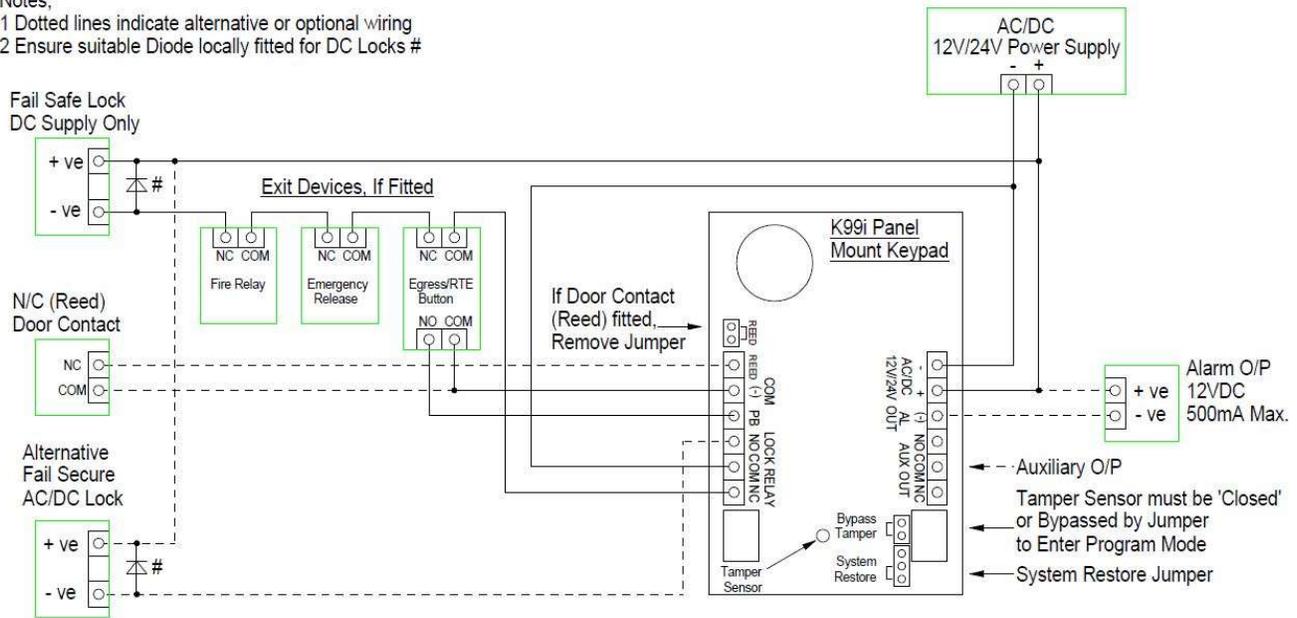
LED Indication

LED Position & Description	Left hand Status LED	Centre Lock LED	Right hand Auxiliary LED
LED Condition & Function	Steady RED Power, Normal State	Steady GREEN Lock Relay Active	Steady YELLOW Auxiliary Relay Active
	Steady Yellow Program Mode, # to Exit	Flashing GREEN Door Sensor Alarm or Alarm O/P triggered	

Connections

Notes:

- 1 Dotted lines indicate alternative or optional wiring
- 2 Ensure suitable Diode locally fitted for DC Locks #



Mounting Information

The K99i panel mount keypad module is designed to be fitted on to stainless steel panels, it has not been designed to be used without a suitable housing.

The K99i may be used as a service replacement for the previous Raytel K50 electronic module (The unit with Square Buttons and One LED).

However, when fitted only the central Lock Relay LED will be visible, if all LED's are required, new metalwork will also be required, please contact Sales Department for suitable options.

When replacing an older unit, retain the mounting screws/nuts/washers etc. to allow fitting of the K99i.

Programming Notes

Default Master Code = xxxx (Refer to Raytel Technical on 01245 428511 for the default master code if required)

Default User Code = 3333 in Memory Location 1

Default Lock Time = 5 Seconds

Default Code Length = 4 Digits, The Master Code length, defines all code lengths (4-8 digits)

All codes must be the same length or they will not be accepted

Enter all leading zeros as instructed, e.g. 01 not just 1

Once operated, wait 2-3 seconds before next operation

Warning; The Master code will not allow access to the Program Mode, if Tamper Switch, Tamper LED, Lock Relay or Auxiliary Relay are activated

Basic Programming

Add or Change a Lock Relay Code

Note XX = Memory location 01-19 & 'Code' = Required code

It is recommended to change the default Lock User Code in Memory 01 for Security.

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* XX 'Code'	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of Memory Location, Code and to whom it will be issued.

20 - Set Lock Relay Time / Function

Note TT = Relay Time in Seconds, 01-99

Default Timed mode 05 = 5 Seconds, 00 = Latch mode (optional)

If Door sensor fitted, when door closed, lock time will be cut short

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 20 TT	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

40 - Add or Change the Auxiliary Relay Code

Note Default = Latch mode, 'Code' = Required Single Code

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 40 'Code'	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

00 - Change Master Code

After general programming, it is recommended to change the Master code for Security.

Note **The Master Code length, defines all other code lengths.**

'Code' = New Master code (4 to 8 Digits)

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 00 & 'Code'	No Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your new Master Code setting.

Master Reset

Warning

##Procedure, will delete all master, user & auxiliary codes, & return all settings to default##

	Enter / Action	Indication / Comments
1	Power OFF unit	No LED's
2	Move Jumper to 'System Restore' position	
3	Power ON unit	Status LED Red, 3 Notes Sound
4	Wait until Continuous Sounder	
5	Move 'System Restore' Jumper to original position	3 Descending Notes Sound, then Status LED Red, unit now Reset.

Advanced Programming

50 - Delete one or all Lock Relay Codes

Note XX = Memory location 01-99 for individual codes or 00 = for All Codes

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 50 XX	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

6 - Add or Change an Additional Lock Relay User Code

Note YY = Memory location 20-99 & 'Code' = Required code

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 6YY 'Code'	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of Memory Location, Code and to whom it will be issued.

51 - Set Incorrect Code Protection

Note Default = Disabled, Locks System for 30 Seconds, if 5 incorrect passwords or 20 incorrect consecutive buttons pressed (dependant on setting 53)

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 51	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

53 - Set Type of Incorrect Code Protection

Note Default = 20 incorrect buttons,

Z = 0 for 20 incorrect buttons presses, Z = 1 for 5 incorrect codes entered

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 53 Z	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

52 - Set Latch Mode for Lock Relay

Note Default = Normal Timed mode, (Requires code programmed in setting 54)

Z = 0 for Normal Timed mode, Z = 1 for Latch Lock Relay mode

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 52 Z	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

54 - Set Latch Code for Lock Relay

Note Default = none, 'Code' = Required code

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 54 'Code'	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

55 - Set Alarm Output Mode

Note Default = Disabled,

C = 0 Disabled

C = 1 for door forced open detection triggers alarm output

C = 2 for tamper switch triggers alarm output

C = 3 for door forced open & tamper switch triggers alarm output

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 55 C	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

56 - Set Alarm Output Mode

Note TTT = 001-999 seconds, TTT = 000 for Latch mode,

(Requires 55 to be set between 1-3)

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 56 TTT	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

57 - Set Auxiliary Output Mode

Note Default C = 7, (# for 1-5 auxiliary relay time must not be set to 000, latch mode)

C = 0 Disabled

C = 1 for door monitor triggers auxiliary output #

C = 2 for incorrect password triggers auxiliary output #

C = 3 for * or bell push triggers auxiliary output #

C = 4 for tamper switch triggers auxiliary output #

C = 5 for door forced open triggers auxiliary output #

C = 6 for P.B. switch triggers auxiliary output

C = 7 for Correct Auxiliary Code triggers auxiliary output

C = 3 for tamper switch triggers auxiliary output

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 57 C	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.

58 - Set Auxiliary Relay Time

Note Default = 000, TTT = 001-999 seconds, TTT = 000 for Latch mode

	Enter / Action	Indication / Comments
1	'Master Code' twice	Status LED Yellow & 3 Notes Sound
2	* 58 TTT	3 Notes Sound
3	#	Status LED Red, Returns to normal mode

Ensure you keep records of your programmed settings.