

Door Programming

The following screens allow programming of an individual Door. A number of pre-defined times may be set by default for each Door (Max. Door Open Time of 30 seconds and Lock Open Time of 5 seconds.) Door Auxiliaries are also cleared. **The procedure to reset Door Programming to the factory default is explained in more detail at the end of this chapter.**

Door to
Alter: D001

This screen allows a Door to be selected for programming, allowing the User to jump to the selected Door or search for a particular Door by name. Pushing the up/down arrows selects the previous/next door.

Find Door ^
FRONT DOOR

The maximum number of doors in any system is determined by the memory configuration.

Door numbers are allocated in LCD Terminal and/or Reader Module programming. If these options have already been programmed, you may need to refer to those options to see what Door numbers you need to programme. Alternatively, the Doors can be programmed here first and then the appropriate Door numbers allocated to the Terminal/s and Reader Module/s later.

Door . 001 Name
REAR FIRE DOOR

This screen allows an optional Door name to be entered up to 16 characters long. It is recommended that names be programmed to simplify programming of the other options where Doors are allocated.

D001 Inside ->
None

These screens allow the Installer to define which Areas are on the inside and outside of the Door being programmed. To select an Area, press the right arrow key to scroll through all available Areas alphabetically. Press the OFF key to select no Area. (The ON key may be used to change modes to allow an Area to be selected by number, if desired).

D001 Inside
Area: A000

D001 Outside ->
None

If the Area on one side of the Door is not within the system's control, set the Area to None by pressing the Off Key or alternatively, if selecting the Area by number, set the Area to A000.

D001 Outside
Area: A000

For example, in the case of an external Door in a Warehouse, the outside Area might be a region that is not protected or monitored by the system. This Area should be set to None (A000). If a User were to leave via this door using a card, pin or proximity card or fob, the system would not need to monitor the User's movements, other than identifying that the User is no longer in an Area that is monitored by the system.

The inside Area would be that Area sought to be protected if the Door were secured. In the same above example, the inside Area for the Warehouse external Door might be "WAREHOUSE".

It is not compulsory to assign Areas to a Door, however, in doing so the following advantages become available:

- Allow anti-passback rules to be enforced.
- Keep track of where Users are.
- Prevent exit/entry if Areas are ON.
- Automatically turn OFF Areas, if allowed.
- Automatically turn Area/s On when exiting, if allowed.

See "Anti-Passback & Wrong Area processing" & "Reader Area Control" in the Applications Programming section.

**D001 Acc.Group->
CARD USER**

This screen allows the User to assign an Access Group to this Door. The Access Group programming will determine how access works at this Door.

**D001 Access
Group: AG002****D001 Lock
Aux: R01:X01**

This screen allows an Auxiliary output to be specified that will operate the Door lock associated with this Door. If a Control Module Auxiliary is chosen to operate a Door Lock, the Auxiliary timer units must be set to seconds. For all other Module types the Auxiliary timer is completely independent from the lock open time. (See next screen).

Lock Auxiliaries

It is recommended that the following Auxiliaries be used as Lock Auxiliaries:

Single Door & 2 Door Access Modules:

1st Door	Rxx:X01
2nd Door	Rxx:X04

LCD Terminal	Txx:X01
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Intelligent 4 Door Access Module: (Lock Auxiliaries shown must be used)

1st Door	Ixx:X01
2nd Door	Ixx:X02
3rd Door	Ixx:X03
4th Door	Ixx:X04

**D001 Lock Open
Time: 005 S/0.1S**

This screen determines the time for which this Door will be un-locked during a normal access event. This time is programmable from 1 to 255 seconds.

IMPORTANT NOTE: The Lock Open Timer is independent of the "Auxiliary Timer" for the Lock Auxiliary. Normally, the "Lock Open Time" is the only timer that needs to be programmed for the Lock Auxiliary. However, if any other operation is to be used to momentarily unlock the Door, the Auxiliary Timer [MENU 5,5] for the Lock Auxiliary should also be programmed. (Unless the actual operation already includes a timer).

Fast Lock Open Time option.

(Only available in Intelligent 4 Door Access Module firmware V1.08 or later.)

The "Lock Open Time" defined in Door programming is normally specified in Seconds. e.g. A Lock Open Time of "5", will activate the Lock Auxiliary for 5 Seconds. In some installations, the Lock Open Time needs to be shorter than 1 second. e.g. When providing a short pulse output to trigger a special access device such as a turnstile system.

An option is available to allow an Intelligent 4 Door Access Module to process the "Lock Open Time" as 100 milli-Second increments instead of 1 Second increments.

e.g.

-Lock Open Time of "5", will activate the Lock Aux. for 500 mS. (5 x 100mS)

-Lock Open Time of "50", will activate the Lock Aux. for 5 Sec. (50 x 100mS)

This is done by setting Switch 8 on DIPswitch 2 to the ON position. When set, the Lock Open Time will then be processed as 100 milli-Second increments for all 4 Doors on that particular Module.
See the Intelligent 4 Door Access Module installation manual for location of DIPswitch.

Only Modules with the DIPswitch set to ON will process the Lock Open Time in this way. Any other Modules with the DIPswitch left in the OFF position, will process the Lock Open Time in the normal manner as 1 second increments.

D001 Max. Open
Time: 000 sec

This screen determines the maximum time this Door may be left open before creating a “Door Open Too Long” (Door Held Open) alarm. The “Door Open Too Long” alarm is a System Input generated from the LCD Terminal or Reader Module associated with the Door. This time is programmable from 1 to 255 seconds.

Note: In earlier 2 Door Reader Modules (Part no: 993012) configured for “2” Door mode, the “Maximum Door Open Time” set for the 1st Door on the Module was utilized as the Max. Door Open Time for both Doors.

All current Access Modules allow the Max. Door Open time to be defined and operate separately for each Door.
i.e. 995012-2 Door Access Modules and Intelligent 4 Door Access Modules.

D001 E.....
Opts -> nnnnnnnn

This screen allows the Installer to programme various Door options.

E Extra Area Counting

This option allows the User count in the User’s “Extra Area” to be incremented/decremented when the User is granted access through this door.

If the reader is on the “Outside”, the User count is incremented in the User’s Extra Area.

If the reader is on the “Inside”, the User count is decremented in the User’s Extra Area.

No “count” or “Arm on count = 0” will occur on the Door Areas when this option is enabled.

. Spare

Spare for future use. This option must be set to “n”.

Door Interlocking

ACCESS 4000 ONLY

The Access 4000 model supports convenient Door Interlocking without the need to programme Calculated Auxiliaries or Function Zones. Every Door can have an Interlock Group assigned to it. When a Door has an Interlock Group assigned, access through the Door may be further qualified by the programming of that Interlock Group. Doors can share Interlock Groups if required. The number of Interlock Groups programmable depends upon the memory configuration.

Special Note:
In order for the 4000 system to correctly sense the state of the door reed switches, these zones should be placed in an Area which is left on permanently with a benign Process Group.

D001 Interlock
Group: IL000

This screen allows an optional Interlock Group to be assigned to the Door. If the group is left at zero, access will not be denied through this Door due to an Interlock violation, although this door can participate in Interlock decisions for other Doors. If an Interlock Group is specified, it must be programmed to determine the Interlocking rules.

Interlock to
program: IL001

To programme Interlock Group options, press HELP, “9”.

Door Interlocking Programming

This screen selects which Interlock Group to programme. The number of Interlock Groups depends on the memory configuration.
See the Applications Programming section for further details.

IL001 T.Zone ->
None

This screen allows a TimeZone to be applied to this Interlock Group. If a TimeZone is defined and is valid, this Interlock Group will be active; that is Interlock logic will be applied. If a TimeZone is invalid then either the Interlock Group will not be active and no Interlock logic will be applied or, if an alternative group is defined, that group will be used.

IL001 Alt.
Interlock: IL000

This screen defines an alternative Interlock Group to use if the TimeZone is invalid.

IL001 ZT.....
Opts-> nnnnnnnn

This screen allows certain Interlock Group options to be programmed:

- Z

Zone Inputs

If this option is set to “Y”, an optional Zone Input can be used to qualify Interlock operation.
- T

Tongue Sense

If this option is set to “Y”, Tongue Sensing is used in addition to qualify the Interlock operation.
Note: Do not set to “Y” if Tongue sense inputs not connected. If set to Yes when not used, & Input/s are not sealed, Interlock logic will not allow Doors to un-lock.
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Spare

Spare option for future development. Leave set to “n”.

IL001Door List

DL001

This screen allows an optional list of Doors to be selected from the available Door Lists which will be used in Interlock Decisions. If the list is left at 000, no other doors will prevent doors with this Interlock Group from working. If a Door List is defined, all Doors in the list must be locked (Door Auxiliary must be off) and all Doors must be closed (Door Zones must be sealed).

All Door Contact (Reed switch) Zone Inputs used in Door Interlock functions must be assigned to an Area that is always On (24 Hrs) so that the Zone state is always known by the Control Module.

- ie.
- Rxx:Z01

Rxx:Z05

Txx:Z01
- For 1st Door on a Reader Module

For 2nd Door on a Reader Module

For a Door controlled and monitored by an LCD Terminal.

When assigning these Zones to an Area use a Process Group programmed for this purpose that simply monitors for the (A)larm state but does no other processing. (ie. No other Comms Auxiliary or Siren options).

IL001Area List

Area

This screen allows an optional list of Areas to be selected from the available Area Lists which will be used in Interlock decisions. If the list is left at 000, the state of no Areas will prevent Doors with this Interlock Group from working. If an Area List is defined, all Areas in the list must be off to allow access through Doors with this Interlock Group.

IL001Qualify

Aux: :X

This screen allows an optional Auxiliary to be defined which will be used in Interlock decisions. If an Auxiliary is defined then the Auxiliary must be On to allow access through Doors with this Interlock Group.

IL001Qualify

Zone: C01:Z01

This screen allows an optional Zone to be defined which will be used in Interlock decisions. If the “Z” option above is set to “Y”, this input must be sealed to allow access through the Doors with this Interlock Group.

When programming of Interlock Group is complete, return to Door Programming by pressing HELP, “0”.

Door Defaulting

Two options are available by which to default Door Programming to factory settings. These are explained below:

**Door to
alter: D001**

At the first Door Programming screen press HELP, "9".

**Door Default ->
Don't Default**

This screen is then displayed. Available defaulting options are viewed by pressing the right Arrow Key. To make a selection, press the OK Key.

Don't Default

Selecting this option will abort the procedure.

Clear All

Selecting this option will reset all Door configuration times to zero.

Door names, if present, are not altered.

Standard

Selecting this option will reset selected Door configuration times as follows:

Lock Open Time 5 seconds

Max. Open Time 30 seconds

Door names, if present, are not altered.

**Push '9' key to
Confirm Default**

The confirmation screen is displayed. Press the "9" Key to confirm your selection.

**Default
Done**

The default procedure is confirmed.