

TimeZone Programming

TimeZones are used to qualify other programmed items (such as Groups, Lists, User Types and Telephone Numbers) with time and date. Eg. When a Group or List specifies a TimeZone, all the options in that item are only valid if the associated TimeZone is valid. If the associated TimeZone is invalid then you can optionally select another Group/List to use. TimeZones can be used to turn ON and/or OFF an Area (or Areas) and/or an Auxiliary. They may also be used to Unlock and/or lock a Door (or Doors) and secure and/or unsecure Floors.

There are 4 default TimeZones already programmed and available for use in the system. These TimeZones may cover some of the required programming and also serve as a guide for Installers to study and follow. A table showing the details of the default TimeZones is provided at the end of this section. Take particular notice of the manner in which programming must be conducted to achieve the "NIGHTTIME" TimeZone which crosses midnight.

The procedure to reset TimeZone Programming to the factory default is explained in more detail at the end of this chapter.

**TZ001 name: (V)
WEEKDAYS**

This screen allows a TimeZone name to be entered. A TimeZone name can be up to 16 characters long.

It is recommended that TimeZone names be programmed to simplify programming of the many other programming options where TimeZones may be allocated.

The 1st screen that is displayed in TimeZone Programming has been enhanced to show the current status of a time-zone for debugging purposes. A (V) suffix indicates the time-zone is currently valid. A (I) suffix indicates the time-zone is currently invalid.

Each TimeZone may be divided into up to four (4) segments or periods. The TimeZone will be considered valid at the times and on the dates which fall between the start and finish of each period of the TimeZone. Times and Dates falling between periods within the same TimeZone are considered invalid for that TimeZone..

**TZ001 1st period
00:00- to- 00:00**

These screens are repeated 4 times, allowing 1st, 2nd, 3rd and 4th periods to be defined. These screens define the hours and days of the week that a TimeZone will be valid. At all other times and days outside these times the TimeZone will be invalid.

**TZ001 SMTWTFSH
1st ->nnnnnnnn**

There are 4 separate periods that can be defined with a starting hour and minute in HH:MM format and a finish hour and minute in HH:MM format. A Setting of 00:00-to-00:00 means ignore that period. Spaces instead of digits mean ignore that starting time or ending time in that particular period. (Spaces can only be entered by pressing the OFF Key to enter spaces and then filling in required digits using the arrow and digit keys).

Putting a "Y" under the appropriate day of the week means that the TimeZone will be valid on that day between the specified times.

TimeZone operation can be qualified with holidays. If a “n” appears under the “H” for a period screen, that period will be made invalid if it happens to be a holiday. A “Y” under the “H” letter means the TimeZone is valid on holidays for that time period. The actual Holiday Date and Time are defined under Holiday Programming [MENU 5,3,1].

TZ001 123456 Holidays YnYnnn

This screen determines what type of holidays this TimeZone will recognise. There are 6 types of holidays. In this example, if a holiday type 1 or holiday type 3 is true, this TimeZone will be considered invalid for the whole of the relevant periods that have a “Y” under the “H” flag.

See “Holiday Programming” for further explanation of Holiday Types.

TZ001 Function -> None

This screen selects which control function (if any) is going to be used.

None	No special control function.
Aux On/Off	Allows control of Auxiliaries OR Auxiliary Lists
Area On/Off	Allows control of an individual Area.
Area List On/Off	Allows control of an Area List
Door Unlock/Lock	Allows control of an individual Door.
Door List Unlock/Lock	Allows control of a Door List.
Floor Unsecure/Secure	Allows an individual Floor to be Unsecured and/or Secured.
Floor List Unsecure/Secure	Allows a Floor List to be Unsecured and/or Secured.
Trigger Time Report	Triggers the Control Module Time Report System Input, which can be used to send a Test Report to a Central Station.
Aux On/Off (seconds)	Allows control of Auxiliaries OR Auxiliary Lists with a timer function from 1 to 255 seconds.
Aux On/Off (minutes)	Allows control of Auxiliaries OR Auxiliary Lists with a timer function from 1 to 255 minutes.
Lift Car List & Floor List Secure/Unsecure	Allows a Lift Car List and a Floor List to be Unsecured and/or Secured. If LC=00 and FL=00 then all Lift Cars and all Floor Lists are selected.
Lift Car List & Floor Secure/Unsecure	Allows a Lift Car List and a Floor to be Unsecured and/or Secured.
Area Defer On	Starts the Deferred Area Timer running for the specified Area. The nominated Area will beep and display a warning at the Terminal when the timer expires and the Area is about to turn on. This gives Users in that Area the opportunity to enter their User Code which, provided they have the appropriate Menu Group permissions, will restart the timer without turning the Area on. If the Area is already on, the Area will be turned off and the Deferred Area timer started. (See “Applications Programming” for further details)

The next screen displayed will depend upon the control option selected.

If one of the Auxiliary control options have been selected, the following screen will be displayed.

**TZ001 Output
Aux: C01:X03**

This screen allows an output Auxiliary to be chosen. The Auxiliary is selected by entering its ID number. To select an Auxiliary List to control, press the ON Key to programme the Auxiliary List control options, and then specify the Auxiliary List to control.

(See "Using Auxiliary Lists" in Auxiliary List Programming [MENU 2,3,6])

If "Auxiliary On/Off (seconds)" or "Auxiliary On/Off (minutes)" has been selected, the following screen will be displayed next.

**TZ001 Output Aux
Time 000 sec/min**

This screen specifies the time period for the timed Auxiliary function in seconds or minutes as specified by the control function selected. A time of 255 sec = random time.

Do not use the timed Auxiliary function if an Auxiliary List is to be controlled. If timing is required, programme an Auxiliary Timer. [MENU 5,5]

If "Area On/Off" has been selected, the following screen will be displayed.

**TZ001 Arm Area ->
HOUSE**

This screen specifies which Area will be controlled by this TimeZone. To select an Area, press the Right Arrow Key to scroll through all the available Areas alphabetically. Press the OFF Key to select no Area control. (The ON Key may be used to change modes to allow an Area to be selected by number, if desired).

**TZ001 Area to
Operate: A001**

If "Area List On/Off" has been selected, the following screen will be displayed next.

**TZ001 AList ->
OFFICE AREAS**

This screen specifies the Area List that will be used to determine the Area/s controlled by this TimeZone. To select an Area List press the Right Arrow Key to scroll through all the available Area Lists alphabetically. Press the OFF Key to select no Area List control.

**TZ001 AList
AL001**

The ON Key may be used to change modes to allow an Area List to be selected by number, if desired. To select an Area List by number, enter the Area List number via the DIGIT Keys and the Right and Left Arrow Keys. Press the OFF Key to select no Area List.

If "Door Unlock/Lock" has been selected, the following screen will be displayed next.

**TZ001 Door ->
FRONT DOOR**

This screen specifies which Door will be controlled by this TimeZone. To select a Door press the Right Arrow Key to scroll through all the available Doors alphabetically. Press the OFF Key to select no Door control. (The ON Key may be used to change modes to allow a door to be selected by number, if desired).

**TZ001 Door to
Control: D001**

If “Door List Unlock/Lock” has been selected, the following screen will be displayed next.

**TZ001 DList ->
HOUSE**

This screen specifies the Door List that will be used to determine the Door/s controlled by this TimeZone. To select a Door List press the Right Arrow Key to scroll through all the available Door Lists alphabetically. Press the OFF Key to select no Door List control.

**TZ001 DList
DL001**

The ON Key may be used to change modes to allow a Door List to be selected by number, if desired. To select a Door List by number, enter the Door List number via the DIGIT Keys and the Right and Left Arrow Keys. Press the OFF Key to select no Door List.

If “Floor Unsecure/Secure” or “Floor List Unsecure/Secure” has been selected, the following screen will be displayed.

**TZ001 Lift Car
to use: LC000**

This screen is used to specify which Lift Car will be controlled. The Lift Car is selected by entering it's ID number.

To select the Floor or Floor List to control, screens similar to the Door and Door List selection screens will be displayed next. A Floor or Floor List is selected in the same manner as would a Door or Door List.

Setting “Lift Car to Use” to “000” will include **all** Lift Cars

Setting “Floor to Use” to “000” will include **all** Floors.

If “Lift Car List & Floor Secured/Unsecured” or “Lift Car List & Floor List Secured/Unsecured” has been selected, the following screen will be displayed.

**TZ001 Lift Car
List: LL000**

This screen is used to specify which Lift Car List will be controlled. The Lift Car List is selected by entering it's ID number.

To select the Floor or Floor List to control, screens similar to the Door and Door List selection screens will be displayed next. A Floor or Floor List is selected in the same manner as would a Door or Door List.

If “Area Defer On” has been selected, the following screen will be displayed.

**TZ001 Area to
Operate: A001**

This screen is used to specify which Area is to be controlled. The Area is selected by entering it's ID number.

TZ001 OFof
Control-> YnnY

This screen selects how the TimeZone is going to control the selected entity or entities.

- NOTES:**
1. If “Trigger Time Report” function is selected only the “(O)N when TimeZone Valid” option is used.
 2. If “Area Defer On” function is selected only the “O” and “o” options are used.

- | | |
|---|---|
| O | Set means turn ON when TimeZone valid. |
| F | Set means turn OFF when TimeZone valid. |
| o | Set means turn on when TimeZone invalid. |
| f | Set means turn off when TimeZone invalid. |

To apply the above logic to Doors and Lifts etc;
ON or on = Secure, Lock or Close
OFF or off = Unsecure, Unlock, Open

TZ001 Qualify QI
Options -> nn

This screen selects whether the TimeZone will be qualified with an Auxiliary. A Qualify Auxiliary operates in a similar fashion to a holiday in that it over-rides the time settings depending on the state of an Auxiliary.

- | | | |
|---|------------------|---|
| Q | Qualify TimeZone | If set, this TimeZone is Qualified with an Auxiliary. When the Auxiliary is Off, the TimeZone will be forced to invalid, even if the times are valid. |
| I | Invert | This option reverses the above option. The TimeZone will be forced to invalid if the Auxiliary is On. |

NOTE:
The **Qualify** option must be set to “Y” if the **Invert** option is to be set to “Y”

TZ001 Qualify
Aux: :X

This screen allows the Installer to specify which Auxiliary is to be used to qualify the TimeZone as per the previous screen.

TimeZone Defaulting

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

**TimeZone to (V)
alter: TZ001**

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

**T.Zone 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 the first four TimeZones as follows:

TZ001	WORKING HOURS
TZ002	WEEKEND HOURS
TZ003	DAYLIGHT
TZ004	NIGHTTIME

In addition, this option will delete all other TimeZones, if present.

Standard

Selecting this option will reset the first four TimeZones as follows:

TZ001	WORKING HOURS
TZ002	WEEKEND HOURS
TZ003	DAYLIGHT
TZ004	NIGHTTIME

This option will make no alterations to any other TimeZones, if present.

**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.

TimeZone Defaults

NAME		TZ001 WORKING HRS	TZ002 WEEKEND HRS	TZ003 DAYLIGHT	TZ004 NIGHTTIME
1st Period		09:00 to 17:00	09:00 to 13:00	07:00 to 20:00	09:00 to -:-
Days of the week: S				Y	Y
M		Y		Y	Y
T		Y		Y	Y
W		Y		Y	Y
T		Y		Y	Y
F		Y			
S				Y	Y
H		Y	Y	Y	Y
			Y		
2nd period					-:- to 07:00
Days of the week: S					Y
M					Y
T					Y
W					Y
T					Y
F					Y
S					Y
H					
Holiday Types	1	Y	Y	Y	Y
	2				
	3				
	4				
	5				
	6				
Control Function					
Entity to Control					
Entity List to Control					
On when TZ goes valid					
Off when TZ goes valid					
on when TZ goes invalid					
off when TZ goes invalid					
Qualify Options					
Qualify with Auxiliary					
Invert qualify with Aux.					
Qualify Auxiliary					

