

Function Zones

Function Zones allow certain specified Zones/Inputs to be singled out to perform special operations in addition to their normal operation. Up to 250 Function Zones may be defined, depending on the current memory size and configuration.

Function Zones are used for two main purposes:-

1. Operate an Auxiliary independent of Area (eg. unique to one or more inputs) OR turn On and/or Off an Auxiliary when the Zone/Input changes state.
2. Turn ON / OFF an Area (or Areas) when the Zone/Input changes state.

(Users of the 2000 system will recognise these functions as “Function Auxiliaries” and “Key-switch Zones” in the 2000 system).

ENABLING FUNCTION ZONES

In Order for Function Zones to operate they must be assigned to an Area that is turned ON.

Function Zones are used to trigger Auxiliaries or turn Areas On and Off by the state of a Zone. The operation of a Function Zone is independent of Area and Process Group operation. However, for a Function Zone to activate, the Zone to be used for the function must be enabled.

This is achieved by placing that Zone in an Area with a Process Group that must at least process alarms; and then ensuring that this Area is turned on. This procedure is required because all Zone Inputs on remote modules are normally in the disabled state to minimise unwanted LAN traffic.

Function Zones **cannot** be turned On and Off by simply turning the Area On and Off. If the result of a Function Zone needs to be disabled from time to time, a Calculated Auxiliary which can be User controlled should be used.

Example: Use 1st and 2nd (where 1st is the Function Zone Auxiliary and the 2nd is a Home Auxiliary) to effectively prevent the result from activating. A “Close” Auxiliary in an Area could also be used in place of the Home Auxiliary to disable the result.

IMPORTANT ADDITIONAL NOTES:

V1.00 to V3.5x:

The following applies if Function Zones are programmed via a PC then downloaded to the Control Module.

The Installer must then access the Function Zone programming menu (MENU, 7, 5, 3) via an LCD Terminal and scroll through each option in each Function Zone programmed in order to enable the Function Zone.

V4.00 or later:

Any Area that has Zone Inputs assigned that are used in Function Zones must now have the “F”unction Zone Area option set to “Y”es in the Miscellaneous Area Options screen. When this option is set, when a change of state occurs on a Zone Input in that Area, the system will scan the Function Zones to check whether that Zone is used in a Function Zone and then process the Zone accordingly. *See Area Programming. MENU, 7, 1.*

It is recommended that Zones used in Function Zones are assigned to separate Areas set aside for that purpose, or to Areas that do not have a lot of Zone activity, such as a System Area.

Avoid assigning these Zones to Areas that have a lot of other Zone Inputs assigned that generate large amounts of Zone activity.

**Func. Zone to
alter: FZ001**

This screen allows a Function Zone to be selected for programming.

**FZ001 Input:
C01:Z03**

This screen allows the Installer to select what Zone/Input is going to be associated with this Function Zone. Any Zone or System Input from within the 3000/4000 system can be chosen.

**FZ001 Aux. OFof
Control -> YnnY**

This screen selects whether the Function Zone is going to be used for Auxiliary control:

O

This option turns an Auxiliary ON when the Zone/Input seals

F

This option turns an Auxiliary OFF when the Zone/Input seals

o

This option turns an Auxiliary ON when the Zone/Input un-seals

f

This option turns an Auxiliary OFF when the Zone/Input un-seals

Note that if a Toggle On/Off operation is required for use with Input devices such as spring return key switches, this can be provided by:

-Setting both of the Upper case "O" and "F" options to Yes if the toggle action is to occur when the Input changes to the seal state.

-Setting both of the Lower case "o" and "f" options to Yes if the toggle action is to occur when the Input changes to the un-seal state.

**FZ001 Output
Aux: C01:X03**

This screen allows an output Auxiliary to be chosen to operate as per the previous options selected.

**FZ001 Area OFof
Control -> YnnY**

This screen selects whether the Function Zone is going to be used for Area control:

O

This option turns Area/s ON when the Zone/Input seals

F

This option turns Area/s OFF when the Zone/Input seals

o

This option turns Area/s ON when the Zone/Input un-seals

f

This option turns Area/s OFF when the Zone/Input un-seals

Note that if a Toggle Area On/Off operation is required for use with Input devices such as spring return key switches, this can be provided by:

-Setting both of the Upper case "O" and "F" options to Yes if the toggle action is to occur when the Input changes to the seal state.

-Setting both of the Lower case "o" and "f" options to Yes if the toggle action is to occur when the Input changes to the un-seal state.

**FZ001 Use Area
List? n**

This screen selects whether an Area List, instead of a specific Area is going to be used for defining Area Control. This provides the options of Function Zone control over single or multiple Areas.

**FZ001 Arm Area ->
HOUSE**

This screen will be displayed if "Use Area List" above is set to "n". It specifies which Area will be controlled by this Function Zone according to the previous options. To select an Area press the right arrow key to scroll through all available Areas alphabetically. Press the OFF key to select no Area control.

**FZ001 Area to
Operate: A001**

The ON key may be used to change modes to allow an Area to be selected by number if desired.

**FZ001 ON List ->
Staff Areas**

This screen will be displayed if "Use Area List" above is set to "Y". It specifies which Area List will be used to determine the Area/s controlled by this Function Zone according to the previous options. To select an Area List press the right arrow key to scroll through all available Areas Lists alphabetically. Press the OFF key to select no Area List.

**FZ001 ON List
AL002**

The ON key may be used to change modes to allow an Area List to be selected by number if desired.)

Removing All programming from ALL Function Zones

There exists an easy and efficient method of removing ALL programming from ALL Function Zones. This is explained below:

**Func. Zone to
alter: FZ001**

At the first Function Zone Programming screen press HELP, “9”.

**F.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 remove ALL programming from ALL Function Zones.

**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.