

Zoned Heaters

Applies to 012-146 SFC

Up to 4 sensors per Heat Zone

Program allows :

Up to 16 sensors in total

Up to 4 Heat Zones

Configuration Settings :Sensors Per Heat Zone

This setting defines whether Heat is Zoned, and which sensor devices correspond to which heat zone.

SETTING : Sensors Per Heat Zone = 0	
Output Device	Sensor(s) used
HEAT 1 & Vent	All sensors configured to channels
HEAT 2	<i>Do not use</i>
HEAT 3	<i>Do not use</i>
HEAT 4	<i>Do not use</i>
Ventilation (only)	All sensors configured to channels
SETTING : Sensors Per Heat Zone = 1	
Output Device	Sensor(s) used
HEAT 1 & Vent	SEN 1
HEAT 2 & Vent	SEN 2
HEAT 3 & Vent	SEN 3
HEAT 4 & Vent	SEN 4
Ventilation (only)	SEN 5 to SEN 16
SETTING : Sensors Per Heat Zone = 2	
Output Device	Sensor(s) used
HEAT 1 & Vent	SEN 1 & 2

HEAT 2 & Vent	SEN 3 & 4
HEAT 3 & Vent	SEN 5 & 6
HEAT 4 & Vent	SEN 7 & 8
Ventilation (only)	SEN 9 to SEN 16
SETTING : Sensors Per Heat Zone = 3	
Output Device	Sensor(s) used
HEAT 1 & Vent	SEN 1 & 2 & 3
HEAT 2 & Vent	SEN 4 & 5 & 6
HEAT 3 & Vent	SEN 7 & 8 & 9
HEAT 4 & Vent	SEN 10 & 11 & 12
Ventilation (only)	SEN 13 to SEN 16
SETTING : Sensors Per Heat Zone = 4	
Heat Output	Sensor(s) used
HEAT 1 & Vent	SEN 1 & 2 & 3 & 4
HEAT 2 & Vent	SEN 5 & 6 & 7 & 8
HEAT 3 & Vent	SEN 9 & 10 & 11 & 12
HEAT 4 & Vent	SEN 13 & 14 & 15 & 16
Ventilation (only)	N/A

If you do not wish to use all Heat Zone output devices, or do not wish to use all the sensor devices corresponding to the heat zones, then set the appropriate input or output devices to NONE. See Example overleaf.

Note : Heat zone sensors are always taken into account for ventilation control. There is no facility for sensors to be used for heating only.

Example :

You want to use 3 heat zones, with 2 sensors in Heat Zones 1 and 3, 1 sensor in Heat Zone 2, and two extra sensors in the building for control of ventilation only.

(Assumes channels 5 to 8 are being used for meter inputs, and Slave Address = 17)

Device	Channel	Function
HEAT 1	(Slave)17/1	Heat zone 1
HEAT 2	(Slave)17/2	Heat zone 2
HEAT 3	(Slave)17/3	Heat zone 3
HEAT 4	NONE	Not used
SEN 1	1	Heat 1 sensor

SEN 2	2	Heat 1 sensor
SEN 3	3	Heat 2 sensor
SEN 4	NONE	Not used
SEN 5	(Slave)17/1	Heat 3 sensor
SEN 6	(Slave)17/2	Heat 3 sensor
SEN 7	(Slave)17/3	Vent only
SEN 8	(Slave)17/4	Vent only
SEN 9 to 16	NONE	Not used