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ALARM MODULE

TWO ZONE MANUAL ALARMS

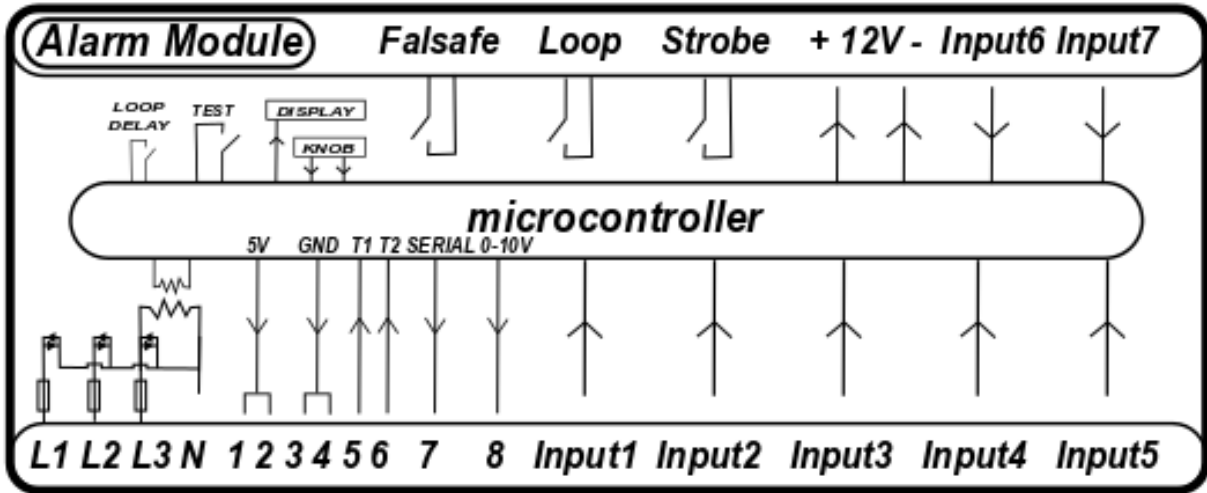
Code: C02 / C03

C02 - 2.2" display

C03 - 2.4" display

PCB - 3.9v 4.0v 4.1v

AUX INPUT, VENT, COMPUTER



Installation:

3 phase & neutral Input (if 3 phase is not available line L1 L2 L3 together).

Inputs have an on board fuse of 250mA.

Failsafe & loop are N,C in normal state, strobe is N,O in normal state and should not exceed 4A.

The 12v output has a max current of 500mA

L1 L2 L3 N 3 phase & neutral input

Sensor Inputs:

5v(1,2) - GND(3,4) Commons for used for the temp sensors

5 Temp1 Temp 1

6 Temp2 Temp 2 (If only using one temp link to GND before power up)

7 Serial Serial output for adding anther 12 relay output (6 module)

8 0-10v Output for use for control of inlet vents

Digital inputs:

Input1 Aux

Input2 Vents

Input3 PC

Input4 RCD trip

Input5 Overload trip

Input6-7 Not used unless temp to is not used then 6 become water input

Relay outputs:

Failsafe High temp failsafe output (To vent controls)

Loop External alarm loop

Strobe Outside beacon / sounder

Loop Delay External loop & beacon delay unlinked 5s linked 1min

User Interface:

Alarm Reset: when pressed and held for a few seconds the alarm log will be cleared, if held for 10s you will access the backup mode.

Alarm Override: used for when all alarms in the house need to be isolated.

6 Switches under screen: used for isolating single alarms.

Set Temp: rotate to adjust temp and press and hold to move to the next set point, if pressed and held for 5s will display the min max for both zones. (press alarm reset, to reset)

Operation:

Low: if temp one or two falls below the low set point a alarm will be activated

High: if temp one or two rise above the high set point a alarm will be activated

FailSafe: if temp one or two rise above the failsafe set point the failsafe will be activated, if there is a mains failure the failsafe set point will be decreased by 5 degree.

Min / Max: if pressing the set temp button and held for 5s will display the min and max for both zones, The min/max temp records are reset when the alarm reset has been pressed. (there must be no alarm or alarms are turned off at the time)

Backup: When pressing and holding the alarm reset for 10s you will access the backup menu. (holding for 10s will return you back to the main screen)

On/off: turning the backup control on and off.

Set Temp: The required temp.

Heating Diff: The temp band with below the set temp.

Stage Diff: The temp band with between the stages.

Stage Select: Which stage the cycle timer will use.

Set On Time: Cycle on time.

Set Off Time: Cycle off time.

Extra output will be needed to use this function.

Backup Hardware:

Two 6-Module will be needed for to controlling 6 stage of fans and 3 zone of heating.

Both serial inputs on the 6-module need to be connected to the serial output of the alarm module.

6-Module outputs:

1	Fan Stage 1	7	Heating Zone 1 (Looking At Sensor 1)
2	Fan Stage 2	8	Heating Zone 2 (Taking Average)
3	Fan Stage 3	9	Heating Zone 3 (Looking At Sensor 2)
4	Fan Stage 4	10	Secondary Heating Zone 1 (Gas / oil)
5	Fan Stage 5	11	Secondary Heating Zone 3 (Gas / oil)
6	Fan Stage 6	12	High If Backup On/Off Is On

