

Temperature Controller

AH series High accuracy / Fenwal Flagship model

AG series Fenwal Standard model / AR series retro-fit model

AL series Durable / Reliable / Easy operation

AM series Low cost / Small size model

DG series Pipe heating exclusive use / SSR include

Thermoswitch

17000 series Fast response / Close control / Extreme sensitivity

20000 series Liquid expansion type / Vibration resistance

30000 series Surface mounting type / Narrow temp. differential

Wafer Sensor

For reduce the sensor radiation, the point of sensor fill in the wafer

For 0.1mmφ, 0.2mmφ wiring make quickly response

Smoke Detector for Equipment / F series

Smallest / High sensitivity / Self-correction function

For preventive maintenance

Compensation Rate type Heat Detector

Detect-A-Fire / resisting pressure explosion-proof type fire detector is only one certified products by TIIS No. 38363 in Japan.



Temperature Controller Lineup

AH series



High accuracy
5 digit display
Dual channel input
Communications

Size: W96 x H96 x D100

Accuracy:

 $\pm 0.1\%$ or ± 1 °C whichever is greater (T/C) $\pm 0.1\%$ or ± 0.2 °C whichever is greater (PT)

Control: PID / On/Off

AG series



Size:

AG24: W48 x H96 x D100 AG33: W72 x H72 x D100 AG42: W96 x H48 x D100 AG44: W96 x H96 x D100

AL series



Digital Controller with communication and timer.

Multiple external settings (Analog input and contact point input)

Size: W48 x H96 x D100 High temp. (60°C) operation.

Less wiring when operating multiple controllers

Waterproof specification (IP64)

AM series



Fenwal Smallest model

Size: W48 x H48 x D77

Option: 3 alarms, communication, CT

input SV shift

DG series



Exclusive use for exhaust piping
Easy set up by

Daisy Chain connectEnable to set up any place

Size: W109 x H46 x D59 Input: K-thermocouple

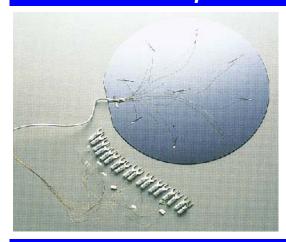
Control output: Internal SSR [5A]

System current Max.: 15A

Other

We also make the control box or control system. Please inform us your specifications if required.

Wafer Thermocouple



High accuracy

Quick response

Reduce error of radiation

Wafer size : 100, 125, 150, 200, 300mm Temp. range : $0 \sim 250^{\circ}C$: Low range

 $200 \sim 600^{\circ}\text{C}$: Middle range $550 \sim 1200^{\circ}\text{C}$: High range

Thermoswitch

17000 series

20000 series

30000 series



Thermoswitch

Fast response
Extreme Sensitivity
-70°C to 300°C NC type
0°C to 60°C NO type



Snap-Action Thermoswitch Liquid Expansion

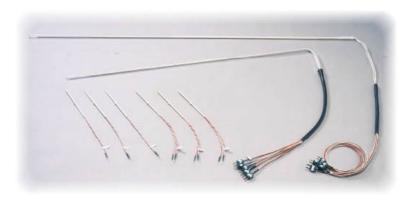
Fast response
Vibration resistance
-60°C to 50°C
-4°C to 100°C
40°C to 150°C



Surface mounting
Thermoswitch

Narrow temperature differential Compact size 10°C to 300°C NC type

R-type Thermocouple for semiconductor



Profile Thermocouples Spike Thermocouples Ratio Thermocouples etc.

Enable to manufacture
Fresh sensor & Recast sensor

Smoke Detector



F series system can detect smoke in equipment.

Smoke caused by ...

Layer shorts or insulation degradation Overheat under raised access floor Overload in power supply panel

The world smallest size smoke detector Φ28mm x 57h [include base] Power supply : DC24V Smoke sensitivity : 5%

3 % ~ 10 % [factory setting]



Application

Semiconductor plants, power supply systems of facilities, communications facilities, server rooms or etc.

F1H Stand alone detector

F1H is stand alone type smoke detector for equipment.

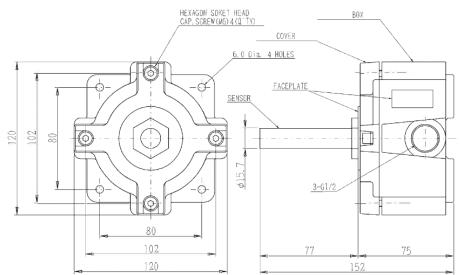
The smoke sensitivity is same as F series.

Power supply : DC10-30V Alert switch/ Trouble switch



Compensation Rate type Heat Detector





Fenwal Original Heat Detector finds fire reliably in any environment at general building, factory and plant. Especially, resisting pressure explosion-proof type fire detector is only one certified products by TIIS No. 38363 in Japan.



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