

5

ULTIMHEAT®



# PRESSURE SWITCHES

Air switches  
Positive Pressure switches  
Vacuum pressure switches  
Differential pressure switches

Elastomer membrane types, medium pressure range  
(20 to 1500 mbar)

The professional solution: an extended, rational, and consistent range of products

Technical catalogue for R&D department

Edition 31/05/2013



E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)



## Alphabetical list

Reference	Page
3 poles pressure switches, high electrical rating, snap action contact, adjustable set point , metal fittings	29
Absolute pressure	65
Air buttons	58
Barometric pressure	65
Differential pressure	65
Double pole air switches, snap action, high electrical rating, plastic fittings	57
Double pole pressure switches, high electrical rating, snap action contact, adjustable set point, metal fittings	28
Foot air pedals	59
IP65, differential pressure switches, Slow action contact plastic fitting	49
Miniature differential pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, plastic fitting	48
Miniature low differential pressure switches for 5 mm pitch printed circuit boards, Slow action contact	47
Miniature pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NO contacts, plastic fitting	19
Miniature pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NC contacts, plastic fitting	20
Miniature pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NO contacts, metal fitting	21
Miniature pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NC contacts, metal fitting	22
Miniature pressure switches for printed circuit boards, Slow action contact NO contacts, 6.35 pitch, plastic fittings	13
Miniature pressure switches for printed circuit boards, Slow action contact, NO contacts, 6.35 pitch, metal fittings	14
Miniature pressure switches for printed circuit boards, Slow action contact, NO contacts, 5 mm pitch, plastic fittings	15
Miniature pressure switches for printed circuit boards, Slow action contact, NC contacts, 5 mm pitch, plastic fittings	16
Miniature pressure switches for printed circuit boards, Slow action contact, NO contacts, 5 mm pitch, metal fittings	17
Miniature pressure switches for printed circuit boards, Slow action contact, NC contacts, 5 mm pitch, metal fittings	18
Miniature pressure switches, high electrical rating, double pole snap action contact, Plastic fittings	25
Miniature pressure switches, high electrical rating, double pole snap action contact, Metal fittings	26
Miniature pressure switches, high electrical rating, single pole snap action contact, Plastic fittings	23
Miniature pressure switches, high electrical rating, single pole snap action contact, Metal fittings	24
Miniature single pole air switches, slow action contact, for printed circuits boards, plastic fittings, NO contact, 6.35 mm pitch	53
Miniature single pole air switches, slow action contact, for printed circuits boards, plastic fittings, NO contact, 5 mm pitch	54

Reference	Page
Miniature vacuum pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NO contact, plastic fittings	37
Miniature vacuum pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NC contact, plastic fittings	38
Miniature vacuum pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NO contact, metal fittings	39
Miniature vacuum pressure switches for printed circuit boards, Slow action contact, NO contacts, 5 mm pitch, plastic fittings	33
Miniature vacuum pressure switches for printed circuit boards, Slow action contact, NC contacts, 5 mm pitch, plastic fittings	34
Miniature vacuum pressure switches for printed circuit boards, Slow action contact, NO contacts, 5 mm pitch, metal fittings	35
Miniature vacuum pressure switches for printed circuit boards, Slow action contact, NC contacts, 5 mm pitch, metal fittings	36
Miniature vacuum pressure switches for conventional wiring with 6.3 QC terminals, Slow action contact, NC contact, metal fittings	40
Miniature vacuum pressure switches, double pole snap action contact, high electrical rating, Plastic fittings	43
Miniature vacuum pressure switches, double pole snap action contact, high electrical rating, Metal fittings	44
Miniature vacuum pressure switches, Single pole snap action contact, high electrical rating, Plastic fittings	41
Miniature vacuum pressure switches, Single pole snap action contact, high electrical rating, Metal fittings	42
Operating principle, Differential pressure switch, creep action type	5
Operating principle, Negative pressure, creep action type	5
Operating principle, Negative pressure, snap action type	5
Operating principle, Positive pressure, creep action type	5
Operating principle, Positive pressure, snap action type	5
Plastic and metalnuts	63
Positive pressure	65
Pressure switches housings	63
Pressure switches mounting tees	64
Pressure units	65
PVC flexible air tubes	63
Single pole air switches, slow action contact, conventional wiring with 6.3 QC terminals, plastic fittings	55
Single pole air switches, snap action, high electrical rating, plastic fittings	56
Single pole pressure switches, high electrical rating, snap action contact, adjustable set point, metal fittings, IP65 housing	27
Tube lockingnuts	63







**If you are using pressure switches on your devices, many components made by Ultimheat may also be used on them.**



Room humidistats  
(Catalogue N°8)



Room thermostat for incorporation on mounting boards or inside wall mounting housing (Catalogue N°2)



Waterproof silicone caps for sensors and wires output  
(Catalogue N°2)



Humidistats for incorporation for humidifiers and dehumidifiers  
(catalogue N°8)



Freeze detection fixed setting thermostats for incorporation  
(catalogue N°3)



Vertical level switches  
(Catalogue N°7)



Connection blocks made on customer specs (Catalogue N°10)





Stroke or paddle flow switches  
(catalogue N°6)



Radiant and convection room temperature sensors (catalogue N°3)

# Other catalogues

 **ULTIMHEAT** <sup>1</sup>





**ELECTROMECHANICAL AND ELECTRONIC THERMOSTATS RANGE**  
for incorporation


For these thermostats incorporated inside various boxes, housing and cabinets: See catalogues N°2 and 3  
Explosion proof versions: See catalogue N°4

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)


 **ULTIMHEAT** <sup>2</sup>



**THERMOSTATS WITH INGRESS PROTECTION HOUSINGS**  
and connection boxes for heating elements

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)

 **ULTIMHEAT** <sup>3</sup>



**INDUSTRIAL ELECTRONIC AND THERMOSTAT CONTROLS**  
electronic controllers, thermostatic control boxes, sub-assemblies and accessories for temperature control in electro-thermal equipment Y6-Y7-Y8 series

For:  
Heat tracing, immersion heaters, Air heaters, Flexible surface heating elements, HVAC

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)

 **ULTIMHEAT** <sup>4</sup>



**EXPLOSION PROOF THERMOSTATS**  
Types Y9

For industrial and high applications in non-hazardous area: See our catalogue 3  
For standard applications with ingress protection housing, in non-hazardous area: see our catalogue 2  
For incorporation in non-hazardous area see our catalogue 1

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)

 **ULTIMHEAT** <sup>6</sup>





**FLOW SWITCHES AND COMBINATION CONTROLS**

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)


 **ULTIMHEAT** <sup>7</sup>



**FLOAT LEVEL SWITCHES**  
Vertical and horizontal models  
For OEM applications

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)


 **ULTIMHEAT** <sup>8</sup>



**HUMIDISTATS**  
and Electronic humidity controls

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)

 **ULTIMHEAT** <sup>9</sup>





**FIRE DETECTION FUSIBLE LINKS**  
A fusible link is a mechanical part that breaks at a preset temperature, they are used in fire detection system to open or close door, dampers, vents etc..., if ambient temperature rise upon a certain value.

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)


 **ULTIMHEAT** <sup>10</sup>



**CERAMIC CONNECTION BLOCKS**  
and Special connectors

*The professional solution: an extended, rational, and consistent range of products*

Technical catalogue for R&D department  
Edition 15/11/2012

 E-Mail: [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)

E-Mail : [info@ultimheat.com](mailto:info@ultimheat.com) Web: [www.ultimheat.com](http://www.ultimheat.com)

Distributor: