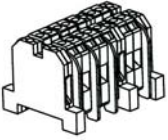


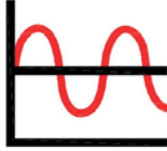

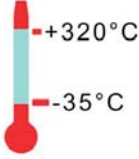
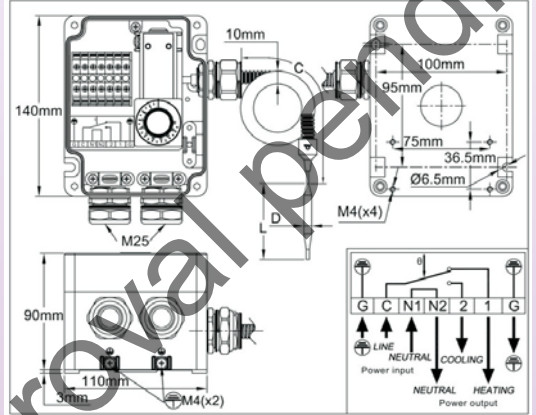
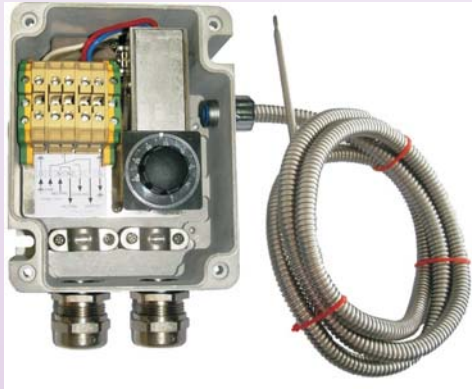




Thermostats and limiters, connection inside EX « e » aluminum housing with built-in connection block

Bulb and capillary thermostat, printed knob adjustment

Electrical connection	Set point adjustment	Mounting	Action	Contact Rating 230V	T° range min and max limits	Types
Internal junction block	Printed knob	Bulb and capillary	Control	SPDT 15A	-35+320°C	Y94KAA Y94KBA
						



General rules for installation:

Important Note: These thermostats are considered to be material by the standards of equipment for potentially explosive atmospheres. They are intended to monitor or control the temperatures in hazardous areas. Thermostat, housing and terminal block are indivisible. In gas explosive atmospheres, they can be used in zones 1 or 2 in the presence of gas, smoke and fog, class IIC, surface temperature T6, and ambient temperature on the enclosure from -50 to +60°C or from -50 to +70°C

In dust explosive atmospheres, they can be used in zones 21 and 22

These thermostats have explosion-proof microswitch type II2Gb, Ex dIIC according to IEC/EN 60079-1, embedded in an increased safety aluminum enclosure according to IEC/EN 60079-7.

Ex identification :

Gas explosive atmospheres:

II 2G Ex d e IIC T6

Dust explosive atmospheres:

Ex 2D Ex tb IIIC T85°C Db

Approvals: These products are ATEX and IECEx certified

Atex: pending; IECEx: pending

Housing: aluminum, 140 x 110 x 90mm (Dimensions without cable gland), with epoxy painting, RAL7032 (thickness less than 0.2mm)

Temperature sensing element: oil filled bulb and capillary, liquid expansion principle. The capillary is protected by a flexible corrugated stainless steel tube.

Electrical connection: On built-in junction block, 4mm², screw terminals. 7 terminals for neutral, ground and line, including jumpers between input and output for neutral and ground. Large space provided for connection.

A built in junction block, type Push-In® is available on request.

Cable glands: two M25 metal cable glands can be used for cable from 9 to 13mm or 13 to 16mm. There is a cable locking saddle inside the enclosure, at each cable gland input.

Other cable glands for round cable, flat cable or independent conductors are available on request

Ground terminals: Two M4 grounding terminals with saddle are located on the outside of enclosure. 2 grounding terminals are located on the junction block.

Adjustment: With knob printed in °C (°F on request). Adjustment is possible only after removing the cover, and when the electrical supply is powered off.

Mounting: Wall mounting, by 2 holes dia. 6.5 mm in diagonal of a 95mm x 95mm square. 4 tabs elevate the housing of 3mm to limit the thermal contact with the wall.

The housing rear face further includes four M4 threaded holes 36.5 x 75mm distance for mounting metal brackets and feet providing offset wall mounting, pole or pipes

mounting (see the accessories in the last part of this catalog)

Contacts: SPDT (snap action contact)

Electrical rating: Suitable for power control, remote control of relay coils or PLCs circuits, and direct power switching.

These devices use silver contacts or silver alloy contacts. Due to the possible oxidation of the contacts in time, we do not recommend the use of AC or DC low-voltage circuits (24V or less) if the switched intensity is less than 100mA, or the switched power less than 800mW. Contact us for those applications that require gold-plated contacts. The electrical ratings given are normalized resistive circuit values.

Mechanical life: > 500,000 cycles

Voltage	Max rating (A)	Switch Electrical life (cycles)
400VAC (KA type only)	10	500000
250VAC	15	500000
125VAC	15	500000
0-15VDC	15	500000
15-30VDC	2	500000

Main references

References with standard differential	References with reduced differential	Temperature range (°C)	Capillary length (C, mm)	Bulb diameter (D, mm)	Bulb length (L, mm)	KA, standard differential*(°C)	KB, reduced differential*(°C)	Max temperature on bulb (°C)
Y95KAA-2502522VK	Y95KBA-2502522VK	-25+25**	1500	6.4	152	3+/-2	2+/-1	50
Y95KAA-1001522VK	Y95KBA-1001522VK	-10+15**	1500	6.4	152	3+/-2	2+/-1	50
Y95KAA00005020VK	Y95KBA00005020VK	0-50**	1500	6.4	152	3+/-2	2+/-1	60
Y95KAA00007052VK	Y95KBA00007052VK	0-70	1500	4.8	120	5+/-3	3+/-2	160
Y95KAA00007012VK	Y95KBA00007012VK	0-70	3000	4.8	120	5+/-3	3+/-2	160
Y95KAA02009050VK	Y95KBA02009050VK	20-90	1500	4.8	120	5+/-3	3+/-2	160
Y95KAA02009010VK	Y95KBA02009010VK	20-90	3000	4.8	120	5+/-3	3+/-2	160
Y95KAA01015050VK	Y95KBA01015050VK	10-150	1500	4.8	120	5+/-3	3+/-2	160
Y95KAA01015010VK	Y95KBA01015010VK	10-150	3000	4.8	120	5+/-3	3+/-2	160
Y95KAA08020001VK	Y95KBA08020001VK	80-200	1500	4	100	10+/-4	6+/-4	320
Y95KAA05030001VK	Y95KBA05030001VK	50-300	1500	4	100	10+/-4	6+/-4	320

* Reduced differential types are not suitable for 400VAC applications.

** The filling liquid of these thermostatic assemblies has a freezing temperature below -40° C. However it is important to protect the bulb and /or the capillary against the risk of freezing if a temperature below -35° C can be reached in operation. Acceptable storage temperature: -50° C. For these types, maximum ambient temperature acceptable on enclosure: 60° C.

See to the last section of this catalogue for existing accessories

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

Unless exceptionally specified by this logo, products and components in this catalogue are made by Ultimheat all members.

