4
(2nd edition)

ULTIMHEAT ®

(Atex, IECex, CCCex)

Explosion proof thermostats

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

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

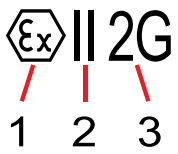
Technical catalogue for R&D department

Edition 13/03/2021

Contact us

Web: www.ultimheat.com

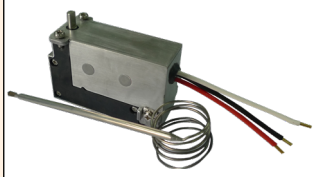
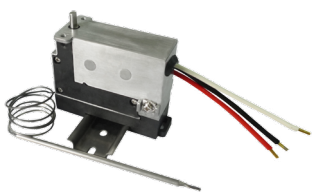
Summary

Section 1	Summary	
Section 2	Historical introduction	
	 Technical introduction	
Section 3	Reference list	

Fixed setting bimetal thermostats, wires or cables electrical connection

Section 4		UZ	Atex, IECex CCCex	**Bimetal limiters, plastic enclosure, for temperatures up to 90°C, 5A 250V,** cable electrical connection **Comply with IEC 60079-18. (Ex-m)**	
		UX	Atex, IECex CCCex	**Bimetal limiters, aluminum enclosure, for temperatures up to 150°C, 5A 250V,** cable electrical connection **Comply with IEC 60079-18. (Ex-m)**	
		4X	Atex, IECex CCCex	**Disc thermostats and limiters, aluminum enclosure, for temperatures up to 85°C, 10A 230V,** cable electrical connection **Comply with IEC 60079-18. (Ex-m) Can be assembled inside Y91 enclosures**	
		4Y	Atex, IECex CCCex	**Disc thermostats and limiters aluminum enclosure, for temperatures up to 85°C, 8A 230V,** wires electrical connection **Comply with IEC 60079-15. (Ex-n) Can be assembled inside Y91 enclosures**	

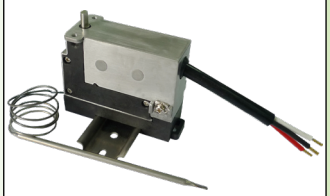
Single pole bulb and capillary thermostats for incorporation, wires electrical connection, for assembly in Ex-e enclosures with built-in connection block (IEC 60079-7)

Section 5		KA-K	Atex, IECex CCCex	**Bulb and capillary thermostats 15A 230V/400V** Types KAA+KBA, KAC+KBC, wires electrical connection. Front mounting with two M4 screws **Comply with IEC 60079-18. (Ex-m)** Can be assembled inside Y9 enclosures with built in connection block	
		KA-L	Atex, IECex CCCex	**Bulb and capillary thermostats 15A 230V/400V** Types KAA+KBA, KAC+KBC, wires electrical connection. Din rail backside mounting **Comply with IEC 60079-18. (Ex-m)**	

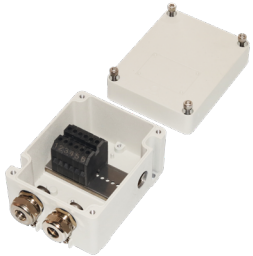
Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

Summary

Single pole bulb and capillary thermostats for incorporation, cable electrical connection
These thermostats can be installed in any boxes or control panels, but the connection at the end of the cable must be made in a box outside an explosive area or matching the characteristics of the explosive environment, for example an EX-e box according to IEC60079-7, or EX-d according to IEC60079-1

Section 6		KA-3	Atex, IECex CCCex	**Bulb and capillary thermostats 15A 230V/400V** Types KAA+KBA, KAC+KBC, cable electrical connection. Front mounting with two M4 screws **Comply with IEC 60079-18. (Ex-m)** Can be assembled inside Y9 enclosures without connection block	
		KA-4	Atex, IECex CCCex	**Bulb and capillary thermostats 15A 230V/400V** Types KAA+KBA, KAC+KBC, cable electrical connection. Din rail backside mounting **Comply with IEC 60079-18. (Ex-m)** For assembly inside enclosures with Din rail	

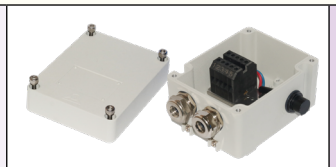
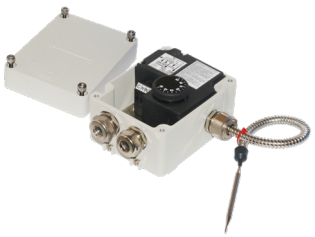
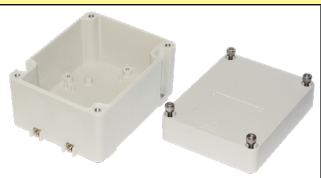
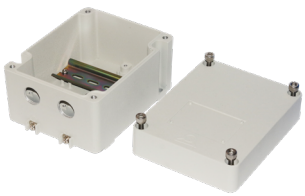
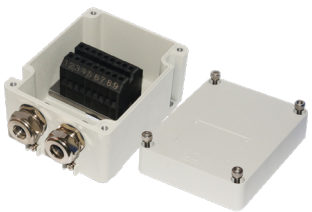
EX « e » aluminum housing with built-in junction block, for explosion proof bulb and capillary thermostats and limiters, with wires connection

Section 7		Y970	Atex, IECex CCCex	**Room thermostats 15A 230V/400V** Y94KAA and Y94KBA (knob adjustment) Y94KAC and Y94KBC (screw driver adjustment) **Comply with IEC 60079-7. (Ex-e)**	
		Y980	Atex, IECex CCCex	**Bulb and capillary thermostats 15A 230V/400V** Y95KAA and Y95KBA (knob adjustment) Y95KAC and Y95KBC (screw driver adjustment) **Comply with IEC 60079-7. (Ex-e)**	
		Y990	Atex, IECex CCCex	**Rod thermostats 15A 230V/400V** Y96KAA and Y96KBA (knob adjustment) Y96KAC and Y96KBC (screw driver adjustment) **Comply with IEC 60079-7. (Ex-e)**	
		Y910	Atex, IECex CCCex	**Disc thermostats and limiters, 10A, 250V** Y9D4A-6, 2 cable glands M25 Y9E4A-9, 3 cable glands M25 Y9D4A-P, 1 cable gland M25+ drill for 1¼" plastic stand-off leg. **Comply with IEC 60079-7. (Ex-e)**	

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

Summary

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

4X and KA thermostats assembled inside aluminium enclosures					
Section 8		Y914X	Atex, IECex CCCex	**Enclosure with 4X fixed setting disc thermostats for ambient temperature, rating 16A, 250V, with 6 ways connection block** **Comply with IEC 60079-7. (Ex-e)** **+ IEC 60079-18 (Ex-m)**	
		Y97KA	Atex, IECex CCCex	**Enclosure with KA adjustable setting thermostats for ambient temperature, rating 15A, 250V, with 5 ways connection block.** **Comply with IEC 60079-7. (Ex-e)** **+ IEC 60079-18 (Ex-m)**	
		Y98KA	Atex, IECex CCCex	**Enclosure with KA adjustable setting bulb and capillary thermostats for distance measurement, rating 15A, 250V, with 5 ways connection block.** **Comply with IEC 60079-7. (Ex-e)** **+ IEC 60079-18 (Ex-m)**	
		Y99KA	Atex, IECex CCCex	**Enclosure with KA adjustable setting thermostats measurement by direct rod under the enclosure, rating 15A, 250V, with 5 ways connection block.** **Comply with IEC 60079-7. (Ex-e)** **+ IEC 60079-18 (Ex-m)**	
Accessories					
Section 9		Y9Z000	Atex, IECex CCCex	**Empty IP65 Junction box** without connection block, without cable glands, without drills. **Comply with IEC 60079-7. (Ex-e)**	
		Y9Z1101	Atex, IECex CCCex	**Ex " e " aluminum junction boxes, IP65.** **140 × 110 × 90mm** Y9FA00, Blank without holes Y9FA5R, with 2 holes for M25 cable glands and Din rail **Comply with IEC 60079-7. (Ex-e)**	
		Y916601	Atex, IECex CCCex	Y9FA5R42V Equipped with Din rail, 6 ways junction block, 2 M25 cable glands, and cable locking brackets. Y9FA6R63V Equipped with Din rail, 9 ways junction block, 3 M25 cable glands, and round cable locking brackets. **Comply with IEC 60079-7. (Ex-e)**	

The second edition of this catalogue will be available soon

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

Contact us

Web: www.ultimheat.com