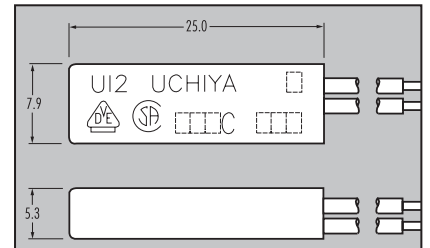


Uchiya U12 Thermostat



STANDARD SPECIFICATIONS	FEATURES	SAMPLE APPLICATIONS
Open Temperature, 5° C steps	PBT Enclosure	Transformer Protector
Min: 60 degrees C	Snap Action Type BiMetal Thermostat	Heating Element Protection
Max: See Approvals		
Tolerance: +/- 5° C		
Reset: (60° ~ 110°) :30K	AWG #20 Insulated Lead Wire	Protection of Electronic Circuits
Differential: (115° ~ 125°) :35K (130° -) :40K		
Reset Tolerance: +/- 15° C	Worldwide safety Approvals	Power Transistor Protection



UI2 = Insulated stranded lead wire
Standard lead wire length 100mm

UI2 THERMAL PROTECTORS:

This is the largest of the Uchiya range manufactured by Uchiya Ireland Limited.

CURRENT SENSITIVITY:

Depending on the heat absorption of an application, the UI2 will show varying levels of self-heating at higher current loads.

The graphs opposite are for indication only, we recommend that tests be carried out before specifying UI2 for high current applications.

APPROVAL DATA FOR UI2:

Approval Body	Uchiya File No.	Approval Standard	Approved as	Electrical	Max Temp°C	Max Cycles
UL	UL E50124	UL- 873	Thermostat	125V AC 6A	140	100,000
				125V AC 12A	140	6,000
UL	UL E52703	UL- 547	Motor Protector	125V AC 1/2 HP	150	
CSA	LR 35080-3	CSA C22.2 No. 24 ~ 93 77 ~ 88	Thermal Cut Out Motor Protector	125V AC 6A	145	100,000
VDE	8921-4510- 7029	EN60730-1 EN60730-2-9	Thermal Cut Out	250V AC 10A	155	10,000
VDE	8921-4510- 7029	EN60730-1 EN60730-2-9	Thermal Cut Out	250V AC 10(8) A*	155	1,000
VDE	8921-4510- 7028	EN60730-1 EN60730-2-2	Thermal Motor Protector	250V AC	155	

* 10(8) A signifies 10A resistive and 8A inductive

ADDITIONAL SPECIFICATIONS:

Contact Resistance	High Voltage Insulation	Insulation Resistance	Protection Class	Insulation Class
< 50 mΩ	2.5 kV (10 mA)	1000V DC (100 MΩ)	I	IP00

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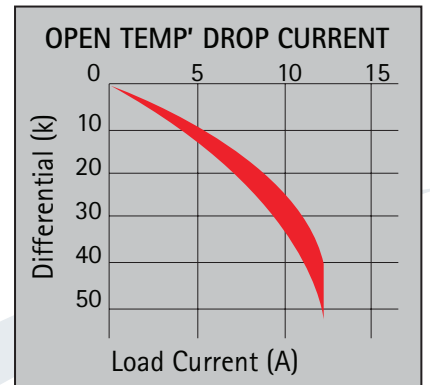
Shire Hill Industrial Estate, Saffron Walden, Essex CB11 3AQ United Kingdom

Tel: +44 (0) 1799 523177

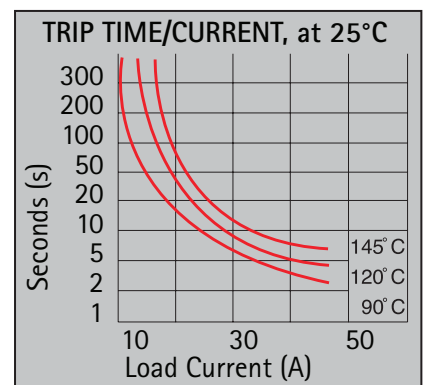
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Graph 1, shows the relationship between change in operation temperature and load current for parts tested in air.



Graph 2, shows the trip time due to self-heating for various over current values. Tests were carried out at 25°C in air. The differential would be lower and the trip time longer if any heat sinking takes place.



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