



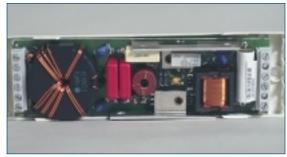


Uchiya Ireland Ltd IDA Tallaght Business Park Whitestown Industrial Estate Dublin 24 Ireland

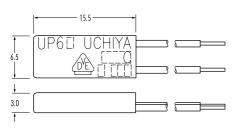
Telephone: +353-1-462 01 92 +353-1-462 02 88 Fax: email: sales@uchiya.ie Web: www.uchiya.ie

Uchiya Thermostat Co. Ltd 2-176-1 Takasu Misato City Saitama-Ken 341 Japan

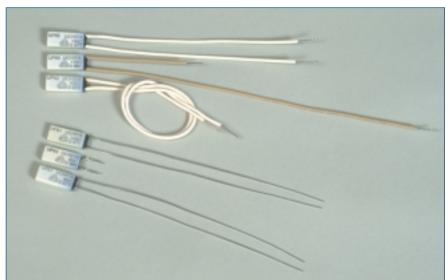
Telephone: +81-489-55-4181 +81-489-56-1310 Fax:







UP61 = Solid lead wire **UP62** = Insulated stranded lead wire Standard lead wire length 100mm







# **Standard Specifications**

Open Temperature, 5° C steps

60 degrees C Min: Max: See Approvals

Tolerance: +/- 5° C

Reset:  $(60^{\circ} \sim 110^{\circ}) : 30K$ Differential:  $(115^{\circ} \sim 125^{\circ}): 35K$ 

):40K

(130° -

Tolerance: +/-15° C

Reset

## **Features**

• PBT Enclosure

• Snap action Type **BiMetal Thermostat** 

 Solid and insulated lead wire options

 Worldwide safety **Approvals** 

## Sample **Applications**

• Transformer Protector

• Protection of electronic circuits

• Motor Protector

• Switch Mode Power **Supply protector** 

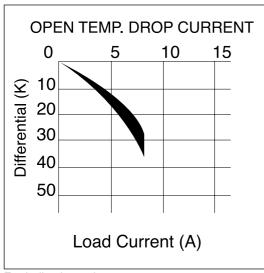
For variations on the above standard specifications please contact Uchiya Ireland

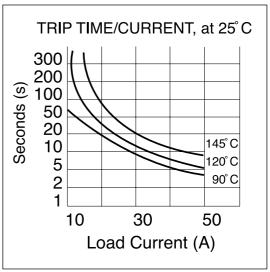
**UP6 series:** This is the most popular range of thermal protectors manufactured by Uchiya Ireland. The PBT enclosure offers both thermal conductivity and electrical insulation (no need for additional insulating sleeves).

The UP6 series is also available as a **normally open type** and with **Platinum Gold Silver** alloy contacts.

#### **Current Sensitivity:**

During normal operation, the current in the circuit will have minimal influence on the rated temperature. However, if a current above the rated current should flow, the operating temperature and trip time will be influenced as follows.





For indication only

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Note: The above graphs are based on experiments carried out in still air.

## Approval Data for UP61 and UP62

| Approval<br>Body | Uchiya<br>File No. | Approval<br>Standard     | Approved as                | Electrical               | Max<br>Temp °C | Max<br>Cycles |
|------------------|--------------------|--------------------------|----------------------------|--------------------------|----------------|---------------|
| UL               | UL E50124          | UL- 873                  | Thermostat                 | 125V AC<br>4A(resistive) | 140            | 6,000         |
| VDE              | 8921-4510-<br>7027 | EN60730-1<br>EN60730-2-9 | Thermal<br>Cut-Out         | 250V AC<br>2.5(1.6) A*   | 150            | 10,000        |
| VDE              | 8921-4510-<br>7026 | EN60730-1<br>EN60730-2-2 | Thermal Motor<br>Protector | 250V AC                  | 150            |               |

<sup>\* 2.5(1.6)</sup>A signifies 2.5A resistive and 1.6A 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             |

For further information, please contact Uchiya Ireland Ltd. or our representatives