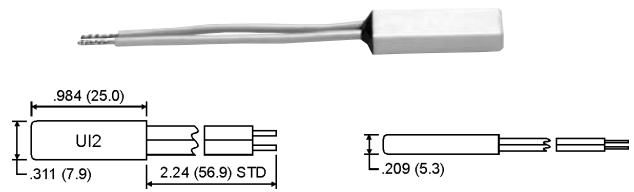
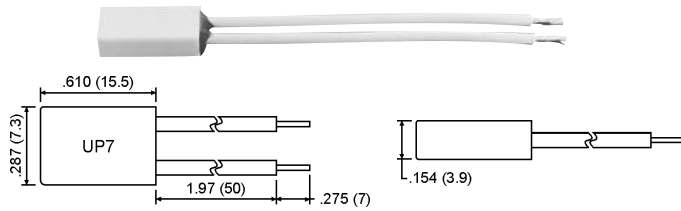


Thermal Protector

UP7 Series (Open On-Rise) and UI2 Series (Open On-Rise)



FEATURES

- Low cost
- Durable plastic case
- Smallest motor protector approved by UL

APPLICATIONS

- Solenoids
- Small motors
- Transformers
- Electronic appliances

The UP7 Series (UP7, UP71, UP72) PBT enclosed thermal protectors are compact 1/2HP (373W) motor protectors. The unique engineering techniques of holding the bimetal disc result in excellent performance in heat response.

SPECIFICATIONS

Variations	
UP7	Without lead wires, 2 welding terminals
UP71	Uninsulated solid wires, bare
UP72	Stranded insulated wires, tin-coated - 22AWG Standard lead length: 50mm + 7mm
Temperature range	140°F to 302°F (60°C to 150°C)
Temperature tolerance	±9°F (±5°C) Standard
Standard differential	50°F±25°F (30°C±15°C)
Electrical ratings	125VAC, 4 Amps, Resistive, 10,000 Cycles 250VAC, 2.5 Amps, Resistive, 10,000 Cycles
Contact resistance	50m Ω or less (initial value)
Approvals & contact ratings	
EN60730-2-2 <i>UP7 Model</i>	Thermal Motor Protector 250VAC, 302°F maximum (150°C maximum) File No. 8921.00-4510-0026
EN60730-2-9 <i>UP7 Model</i>	Thermal Cut-Out 250VAC, 2.5 Amps, Resistive, 10,000 Cycles 250VAC, 1.6 Amps, Inductive, 10,000 Cycles 302°F maximum (150°C maximum) File No. 8921.00-4510-0027
UL2111 <i>UP71 and UP72 Models</i>	Motor Protector 125V/250VAC, 1/2HP maximum 302°F maximum (150°C maximum) File No. E52703
CSA <i>UP71 and UP72 Models</i>	Std. C22.2, No. 77 - Motor Protector 125V/250VAC, 1/2HP maximum 302°F maximum (150°C maximum) File No. E52073 Std. C22.2, No. 77 - Motor Protector 125V/250VAC, 3.75FLA File No. LR35080
EN60730-2-2 <i>UP71 and UP72 Models</i>	Thermal Motor Protector 250VAC, 302°F maximum (150°C maximum) File No. 8921.00-4510-0026
EN60730-2-9 <i>UP71 and UP72 Models</i>	Thermal Cut-Out 250VAC, 2.5 Amps, Resistive, 10,000 Cycles 250VAC, 1.6 Amps, Inductive, 10,000 Cycles 302°F maximum (150°C maximum) File No. 8921.00-4510-0027 RoHS Compliant
Contact system	
UP7, UP71, and UP72 Models	Open on-rise (normally closed) Silver contacts

FEATURES

- PBT enclosure
- Designed for high rated motors
- Snap-action bimetal technology

APPLICATIONS

- Power supplies
- Motor protection
- Electronic appliances

The PBT enclosed UI2 Series offers both thermal conductivity and electrical insulation with no need for additional insulation sleeves. With its large current carrying capacity, the UI2 Series is ideal for more demanding applications and solutions.

SPECIFICATIONS

Variation	
UI2	Stranded insulated wires - 20AWG
Temperature range	140°F to 302°F (60°C to 150°C)
Temperature tolerance	±9°F (±5°C) Standard
Standard differential	50°F±25°F (30°C±15°C)
Electrical ratings	125VAC, 12 Amps, Resistive, 6,000 Cycles 250VAC, 10 Amps, Resistive, 10,000 Cycles
Contact resistance	50m Ω or less (initial value)
Approvals & contact ratings	
CMJ	Registration No. J-22 125VAC, 8 Amps, Resistive, 10,000 Cycles 266°F maximum (130°C maximum)
UL2111	Motor Protector 125VAC, 1/2HP maximum 302°F maximum (150°C maximum) File No. E52703
UL873	Limiting 125VAC, 6 Amps, Resistive, 100,000 Cycles 284°F maximum (140°C maximum) File No. E50124 Regulating 125VAC, 12 Amps, Resistive, 6,000 Cycles 284°F maximum (140°C maximum) File No. E50124
CSA	Std. C22.2, No. 77 - Motor Protector 125VAC, 293°F maximum (145°C maximum) File No. LR35080 Std. C22.2, No. 24 - Regulating 125VAC, 6 Amps, Resistive, 100,000 Cycles 293°F maximum (145°C maximum) File No. LR35080
EN60730-2-2	Thermal Motor Protector 250VAC, 311°F maximum (155°C maximum) File No. 8921.00-4510-7028
E60730-2-9	Thermal Cut-Out 250VAC, 10 Amps, Resistive, 1,000 Cycles 250VAC, 8 Amps, Inductive, 1,000 Cycles 250VAC, 10 Amps, Resistive, 10,000 Cycles From 131°F to 311°F (55°C to 155°C) File No. 8921.00-4510-7029 RoHS Compliant
Contact system	
UI2	Open on-rise (normally closed)

It is the customer's sole responsibility to specify and determine the suitability of a particular control or component based on their unique individual applications and requirements

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