

# Thermal Protectors

## UI2 Series (Open On-Rise)



### Thermal Protectors - UI2

The UI2 Series, PBT enclosed thermal protectors, offer 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, or where 100,000 cycles is needed in a small package.

Selco switches are produced in an ISO 9001 certified factory to insure safe and reliable operation. All models are 100% factory inspected to ensure proper temperature, continuity and function.

Custom Manufacturing options are available including: longer leads, sleeving, heat shrink, mounting brackets and more. For more details, contact Selco directly.

### Everyday Applications

Power Supplies, Motor Protection, Electronic Appliances, And More...

MODELS	APPROVALS	CONTACT RATINGS
140°C maximum (284°F maximum)	<b>UL873</b> Limiting File No. E50124 (UL) <b>UL873</b> Regulating File No. E50124 (UL)	125VAC, 6 Amps or 240VAC, 3 Amps Resistive, 100,000 Cycles 125VAC, 12 Amps, Resistive, 6,000 Cycles
150°C maximum (302°F maximum)	<b>UL2111</b> Motor Protector File No. E52073 (UL)	125VAC 1/2HP maximum
145°C maximum (293°F maximum)	<b>cUL</b> (CSA Std C22.2, No. 77 Motor Protector File No. E50124 (UL) <b>cUL</b> (CSA Std C22.2, No. 24 Limiting File No. E50124 (UL)	125VAC 125VAC, 6 Amps or 240VAC, 3 Amps Resistive, 100,000 Cycles
155°C maximum (311°F maximum)	<b>EN60730-2-2</b> Thermal Motor Protector File No. 8921.00-4510-7028 (VDE)	250VAC
55°-155°C (131°-311°F)	<b>EN60730-2-9</b> Thermal Cut-Out File No. 8921.00-4510-7029 (VDE)	250VAC, 10 Amps, Resistive, 1,000 Cycles 250VAC, 8 Amps, Inductive, 1,000 Cycles 250VAC, 10 Amps, Resistive, 10,000 Cycles
130°C maximum (266°F maximum)	<b>CMJ</b> Registration No. J-22	125VAC, 8 Amps, Resistive 10,000 Cycles

**NOTE:** 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, with respect to temperature settings, cycle life, electrical load and environmental conditions.

### Technical Specifications



#### UI2 Series

#### Standard Type Comes With:

Stranded insulated wires, 20AWG

#### Temperature Range

55°-150°C (131°-302°F)

#### Temperature Tolerance

±5°C (9°F) Standard, ±7°C (13°F), ±10°C (18°F)

#### Standard Differential

30°C±15°C (54°F±27°F)

#### Electrical Ratings

125VAC, 6 Amps, Resistive, 100,000 Cycles

240VAC, 3 Amps, Resistive, 100,000 Cycles

#### Contact Resistance

50m Ω or less (initial value)

#### Contact System

UI2 Models

> Open on-rise (normally closed)

#### EXAMPLE PART NUMBER

#### UI2-120C

*Open on-rise 120°C±5°C (248°F±9°F), Reset 90°C±15°C (194°F±27°F), 20AWG Stranded Insulated Wires, 2.24" length*

