



USE-17AM (Snap Action type – UL Recognized)

Thermal Protector for Motors, Ballasts for Fluorescent lights and Temperature Sensing Controls

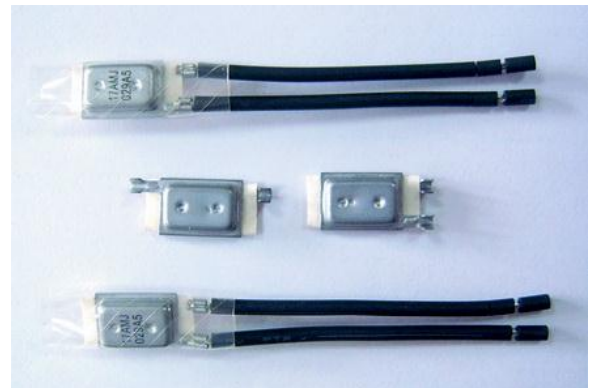
US Electronics USE-17AM thermal protector delivers the utmost protection in a miniature package at an excellent price. Our USE-17AM Thermal protector prevents overheating in products that generate heat. It is a miniature, snap acting, thermally operated device that is a proven performer in protection technology.

It protects against overheating in:

- Motors
- Fluorescent lighting ballasts
- Transformers
- Recessed lighting fixtures
- Battery packs
- Vacuum cleaners
- Automotive Products, solenoids, PC boards and other applications

Here's why you should be using US Electronics USE-17AM Thermal Protectors in your product:

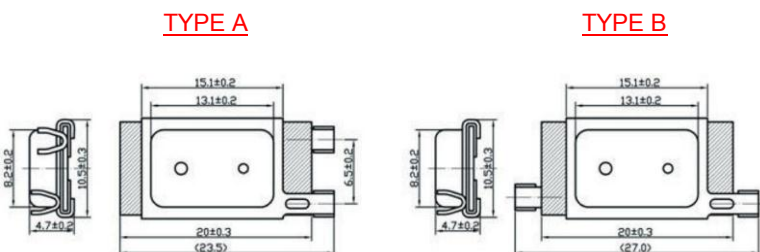
- Small size.
- Individually temperature calibrated and checked.
- High Repeatability in open temperature setting over life.
- Wide selection of leads and insulating sleeves.
- Same side and opposite side terminations.
- UL Recognized



Operation:

The USE-17AM Thermal protector uses the same snap-action design of our other products. The bimetal disc senses both heat and current from the equipment in which the thermal protector is installed on. When the temperature of the disc reaches a predetermined calibration point, the disc snaps open the contacts, thus breaking the current path. When the equipment returns to a normal operating range, the USE-17AM protector resets and closes the electrical circuit automatically.

Construction Type and dimensions:



Technical Specifications:

Contact Rating:	20A@24VDC, 16A@125VAC & 8A@250VAC
Temperature Range:	45°C to 160°C
Open Temp. Tolerance:	+/- 5°C
Max. Storage temp.:	150°C
Switch Action:	N/O SPST Snap action type
Rated No. of Switching Cycles:	6,000
Hysteresis to reset:	15-35°C (depends on the open temperature setting)
Certifications:	UL file E351607



USE-17AM (Snap Action Type)

HOW TO ORDER (Part numbering system)

USE-17AM

024

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5

Model USE-17AM	Type	Construction Type A: Terminals on same side B: Terminals on opposite side	5: Open Temp. Tolerance +/- 5C																																																																											
<table border="1"> <thead> <tr> <th data-bbox="422 772 535 871">Type</th> <th data-bbox="535 772 782 871">Action Temp.(°C)</th> <th data-bbox="782 772 987 871">Reset Temp. (°C)</th> </tr> </thead> <tr><td>016</td><td>45±5</td><td>≥30</td></tr> <tr><td>017</td><td>50±5</td><td>≥30</td></tr> <tr><td>018</td><td>55±5</td><td>≥30</td></tr> <tr><td>019</td><td>60±5</td><td>≥30</td></tr> <tr><td>020</td><td>65±5</td><td>≥30</td></tr> <tr><td>021</td><td>70±5</td><td>51±15</td></tr> <tr><td>022</td><td>75±5</td><td>53±15</td></tr> <tr><td>023</td><td>80±5</td><td>55±15</td></tr> <tr><td>024</td><td>85±5</td><td>57±15</td></tr> <tr><td>025</td><td>90±5</td><td>59±15</td></tr> <tr><td>026</td><td>95±5</td><td>62±15</td></tr> <tr><td>027</td><td>100±5</td><td>64±15</td></tr> <tr><td>028</td><td>105±5</td><td>67±15</td></tr> <tr><td>029</td><td>110±5</td><td>70±15</td></tr> <tr><td>030</td><td>115±5</td><td>73±15</td></tr> <tr><td>031</td><td>120±5</td><td>76±15</td></tr> <tr><td>032</td><td>125±5</td><td>79±15</td></tr> <tr><td>033</td><td>130±5</td><td>83±15</td></tr> <tr><td>034</td><td>135±5</td><td>86±15</td></tr> <tr><td>035</td><td>140±5</td><td>90±15</td></tr> <tr><td>036</td><td>145±5</td><td>94±15</td></tr> <tr><td>037</td><td>150±5</td><td>96±15</td></tr> <tr><td>038</td><td>155±5</td><td>103±15</td></tr> <tr><td>039</td><td>160±5</td><td>106±15</td></tr> </table>				Type	Action Temp.(°C)	Reset Temp. (°C)	016	45±5	≥30	017	50±5	≥30	018	55±5	≥30	019	60±5	≥30	020	65±5	≥30	021	70±5	51±15	022	75±5	53±15	023	80±5	55±15	024	85±5	57±15	025	90±5	59±15	026	95±5	62±15	027	100±5	64±15	028	105±5	67±15	029	110±5	70±15	030	115±5	73±15	031	120±5	76±15	032	125±5	79±15	033	130±5	83±15	034	135±5	86±15	035	140±5	90±15	036	145±5	94±15	037	150±5	96±15	038	155±5	103±15	039	160±5	106±15
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Example: Part Number USE-17AM024A5 -XX 85°C +/- 5°C Opening temp. with reset temp. of 57±15°C with optional Length (XX inches) of lead wires	024	A	5																																																																											
LEAD WIRES ARE OPTIONAL																																																																														