

Data sheet

Thermostat

KPU 19



KPU 19 thermostats are used for temperature regulation in refrigeration, freezing, air conditioning, ventilating and heating systems.

KPU 19 thermostats are fitted with Single-Pole Double-Throw (SPDT) or Single-Pole Single-Throw (SPST) contact system.

The standard KPU 19 enclosure is rated NEMA ~ 1.

NEMA ~ 1 is obtained when the thermostat is mounted on a flat surface with all unused holes covered.

Features

- Long operational life time
- Stable settings
- Reliable and robust SPST and SPDT contact system
- Switching points can be set easily and accurately using the range scale plate and differential adjusting knob.
- Terminals enable easy wiring
- KPU 19 easily replaces other manufacturers' thermostats

Approvals

UL 873, file E96053

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Technical data

Ambient temperature		-31 – 140 °F for KPU with remote bulb	
		-31 – 140 °F for KPU with room sensor	
Max. bulb temperature		140 °F	
Functional range		-30 – 80 °F	
Differential		3.6 – 12.6 °F	
Reset		Automatic	
Switch system		SPST (close on temp. rise), SPDT	
Contact load	Resistive load	0.5 ~ 16A / 120V AC 0.5 ~ 8A / 240V AC	
	Inductive load	Full load	0.5 ~ 16A / 120V AC 0.5 ~ 8A / 240V AC
		Locked rotor	96A / 120V AC 48A / 240V AC
	Pilot duty	125V A; 120 / 240V AC	
Enclosure		NEMA ~1 (when mounted on a flat surface with all unused holes covered)	

Ordering

Type	Regulating range [°F]	Differential ΔT [°F]	Bulb size [°F]	Capillary tube length [in]	Reset	Switch system	Code no.
KPU 19	-30 – 80	3.6 – 12.6	$\frac{3}{8} \times 4 \frac{1}{2}$	120	auto.	SPDT	060L2150
KPU 19	-30 – 80	3.6 – 12.6	$\frac{3}{8} \times 4 \frac{1}{2}$	80	auto.	SPST (close on temp. rise)	060L2151
KPU 19	-30 – 80	3.6 – 12.6	–	Air coil / Room sensor	auto.	SPDT	060L2152

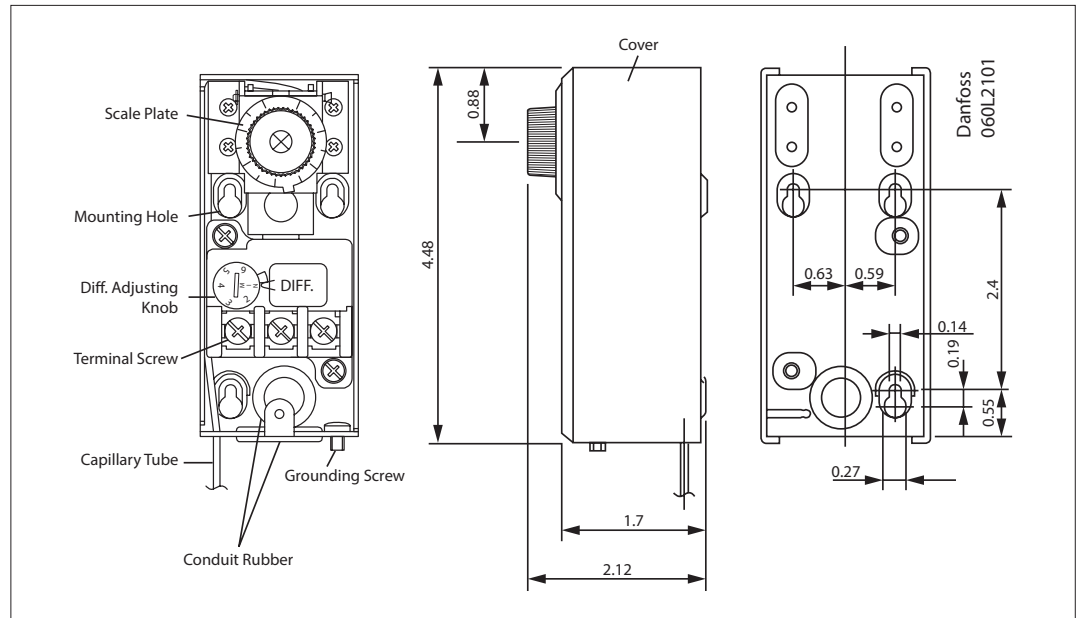
Enclosed accessories:

- Sensor clamp for bulb fastening.
- Blinding sticker to cover the hole after dial knob removal. Blinding sticker can be used only once.
- Hand knob for adjustment.

Contact system

Switch type	Switch action	Application
<p>SPDT</p> <p>Danfoss 60-1421.10</p>	1. Terminals C – H close high and open low terminals C – L can be used as low temperature alarm. 2. Terminals C – L open high and close low terminals C – H can be used as high temperature alarm.	1. Low temperature cut-out 2. High temperature cut-out
<p>SPST (open low)</p> <p>Danfoss 60-1422.10</p>	Terminals C – H close high and open low	1. Low temperature cut-out 2. Condenser fan cycling control

Dimensions [in]



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