

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 – 158 °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)

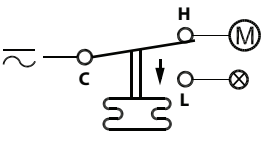
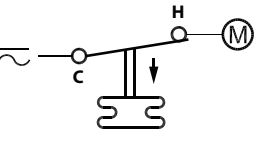
Ordering

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	3/8 x 4 1/2	120	auto.	SPDT	060L2150
KPU 19	-30 – 80	3.6 – 12.6	3/8 x 4 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>	<p>1. Terminals C – H close high and open low terminals C – L can be used as low temperature alarm.</p> <p>2. Terminals C – L open high and close low terminals C – H can be used as high temperature alarm.</p>	<p>1. Low temperature cut-out</p> <p>2. High temperature cut-out</p>
 <p>SPST (open low)</p> <p>Danfoss 60-1422.10</p>	<p>Terminals C – H close high and open low</p>	<p>1. Low temperature cut-out</p> <p>2. Condenser fan cycling control</p>

Dimensions [in]

