



Data sheet

# Thermostat Type 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

Technical data

<b>Ambient temperature</b>		-31 – 158 °F for KPU with remote bulb -31 – 140 °F for KPU with room sensor	
<b>Max. bulb temperature</b>		140 °F	
<b>Functional range</b>		-30 – 80 °F	
<b>Differential</b>		3.6 – 12.6 °F	
<b>Reset</b>		Automatic	
<b>Switch system</b>		SPST (close on temp. rise), SPDT	
<b>Contact load</b>	<b>Resistive load</b>	0.5 ~ 16A/120V AC 0.5 ~ 8A/240V AC	
	<b>Inductive load</b>	Full load	0.5 ~ 16A/120V AC 0.5 ~ 8A/240V AC
		Locked rotor	96A/120V AC 48A/240V AC
	<b>Pilot duty</b>	125V A; 120/240V AC	
<b>Enclosure</b>		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

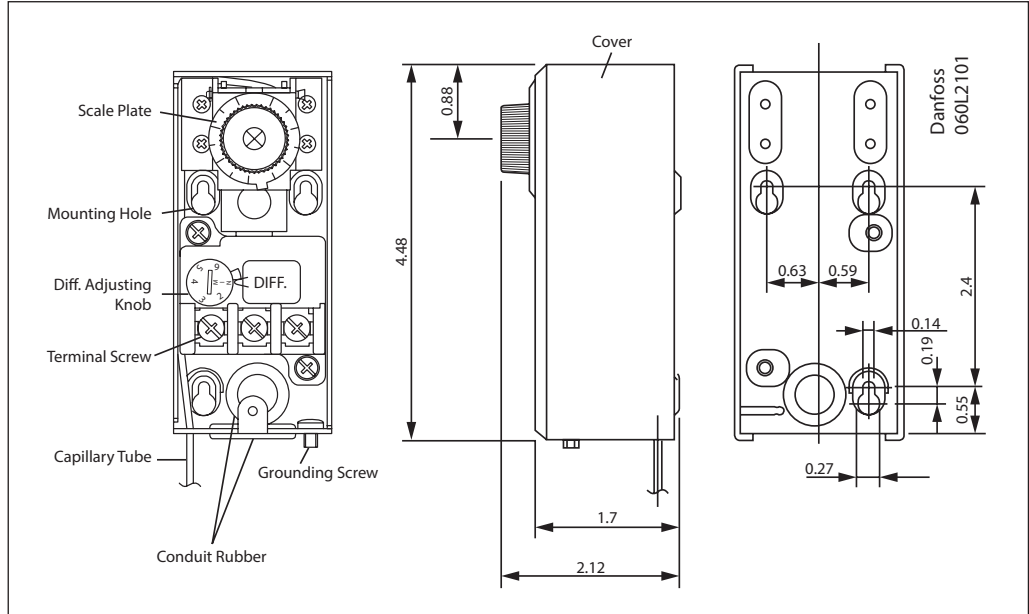
Enclosed accessories:

- 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	Applicaton
<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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