Danfoss

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

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

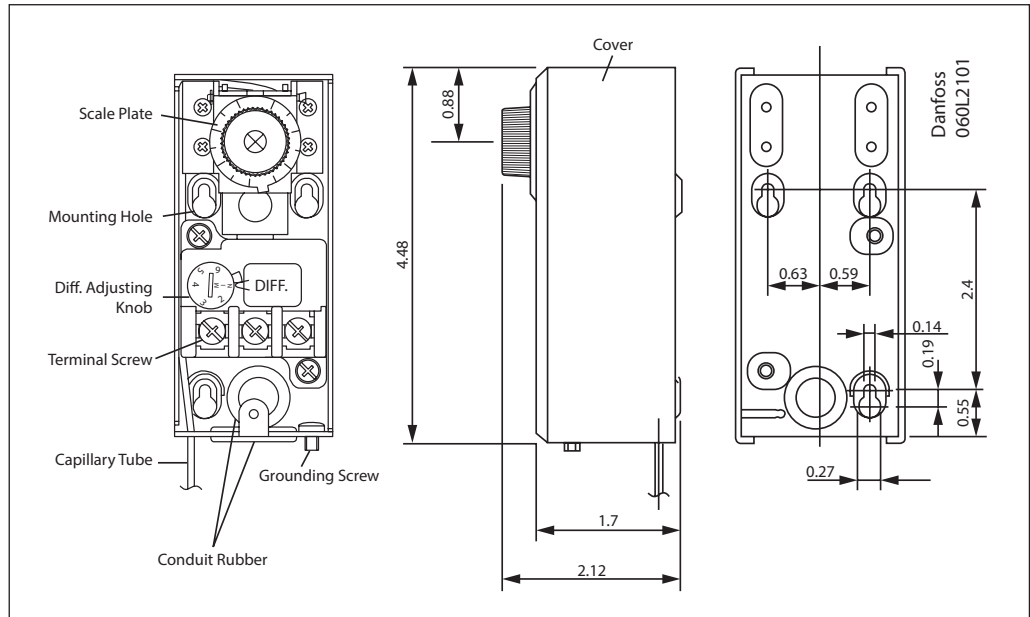| Type	Regulating range [°F]	Differential ΔT [°F]	Bulb size [°F]	Capillary tube length [in.]	Reset	Switch system	Code no.
KPU 19	-30 – 80	3.6 – 12.6	³/₈ x 4¹/₂	120	auto.	**SPDT**	**060L2150**
KPU 19	-30 – 80	3.6 – 12.6	³/₈ x 4¹/₂	80	auto.	**SPST (close on temp. rise)**	**060L2151**
KPU 19	-30 – 80	3.6 – 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
 SPDT Danfoss 60-1421.10	1. Terminals C – H close high and open low terminals C – L can be used as low temperature alarm.	1. Low temperature cut-out
	2. Terminals C – L open high and close low terminals C – H can be used as high temperature alarm.	2. High temperature cut-out
 SPST (open low) Danfoss 60-1422.10	Terminals C – H close high and open low	1. Low temperature cut-out 2. Condenser fan cycling control

Dimensions [in]

Scale Plate

Mounting Hole

Diff. Adjusting Knob

Terminal Screw

Capillary Tube

Grounding Screw

Conduit Rubber

Cover

DIFF.

0.88

4.48

1.7

2.12

Danfoss 060L2101

0.63   0.59

0.14

0.19

2.4

0.55

0.27