



Thermostat

KPU 19

Description

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 & Benefits

- Long operational life time
- 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
- Stable settings
- KPU 19 easily replaces other manufacturers' thermostats

Ordering

Product code numbers

Type	Temperature range [°F] [min]	Temperature range [°F] [max]	Diff. @ Min. range setting[°F]	Diff. @ Max. range setting[°F]	Sensor size (Ø x L) [in]	Cap. tube length fraction [in]	Reset function	Source Systems	Code number
KPU19	-30	80	3.6	12.6	3/8 x 4 1/2 in	120 in	Auto	SAPP01	060L2150
KPU19	-30	80	3.6	12.6	3/8 x 4 1/2 in	80 in	Auto	SAPP01	060L2151
KPU19	-30	80	3.6	12.6			Auto	SAPP01	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.

Product details

General data

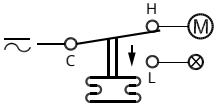
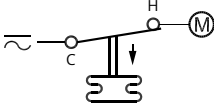
Table: Technical data

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)		



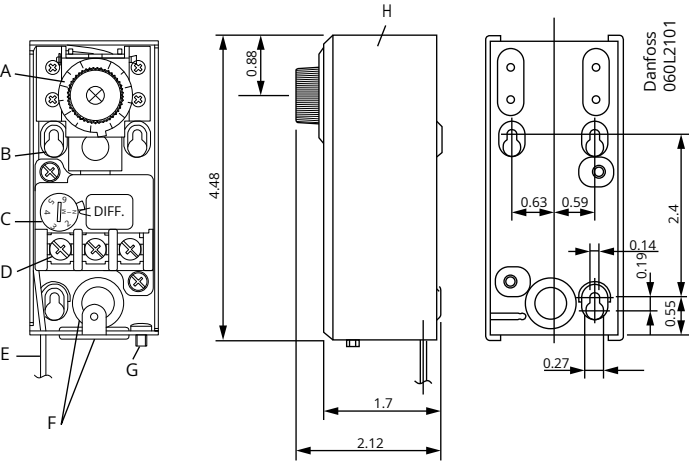
Contact system

Table: Contact system

Switch type	Switch action	Application
 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
 Danfoss 60-1422.10	Terminals C – H close high and open low	1. Low temperature cut-out 2. Condenser fan cycling control

Dimensions & weights

Figure: Dimensions [in]



A	Scale plate
B	Mounting Hole
C	Diff. Adjusting Knob
D	Terminal Screw
E	Capillary Tube
F	Conduit Rubber
G	Grounding Screw
H	Cover



Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the ‘Declaration of Conformity’. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Certification body	Approval topic
UA Declaration	Danfoss UA 2024-07-25 cooling sensors	Danfoss	EMC
UA Declaration	Danfoss UA 2023-01-10 Regulators PL01 PL04	Danfoss	PED

Contact details

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