

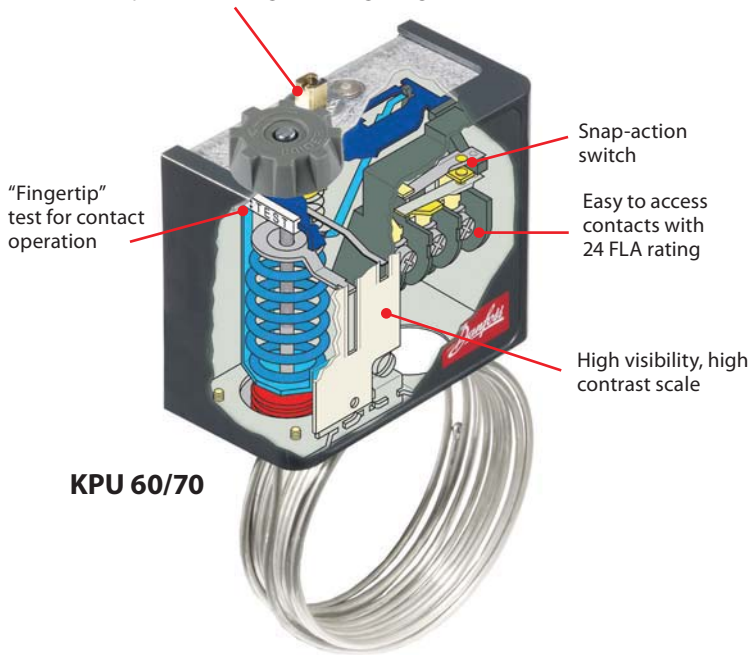
KPU - Temperature Controls

KPU pressure controls are designed to be technician friendly and function as easy and direct replacements for most controls on the market. The KPU 60/70 temperature controls feature snap-action switches, highly visible contrast scales, fingertip tests, and are

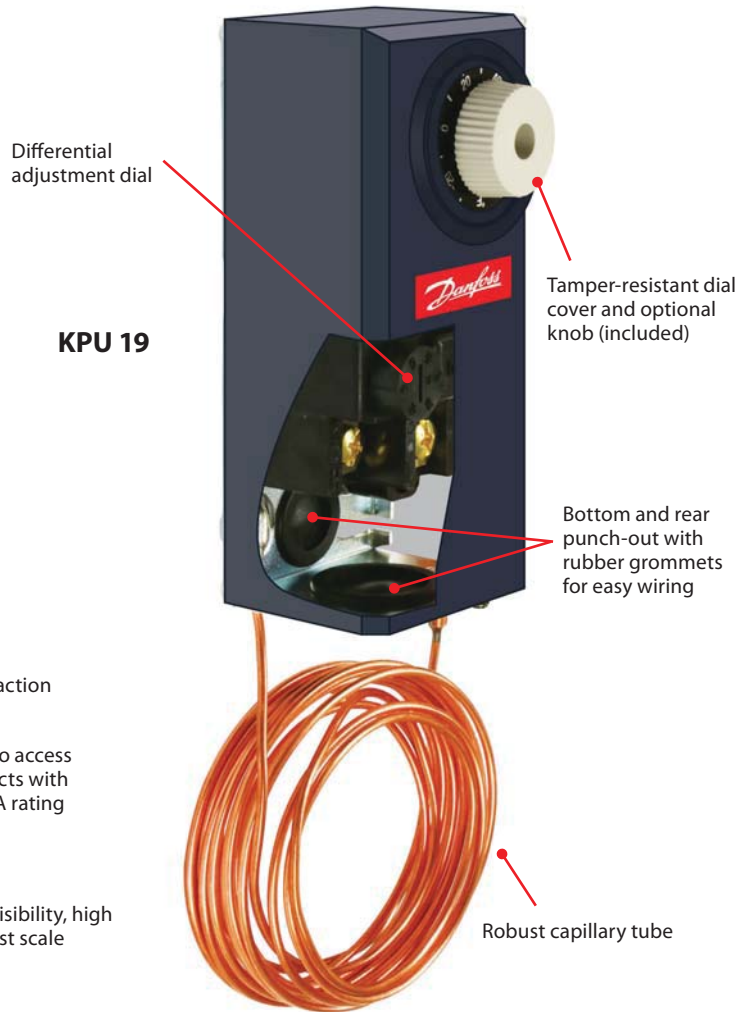
easily adjustable using a standard refrigeration wrench. The KPU 19 temperature controls are designed for easy installation and service with bottom and rear knockouts, differential adjustment dial, a tamper-resistant design, and a robust thermoplastic housing.



Easy adjustment of temperature setting with hand knob (all but models with manual reset). Differential setting adjusted with standard refrigeration wrench. A set screw prevents settings from migrating.



KPU 60/70



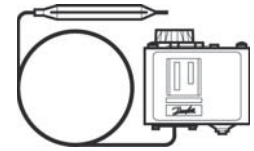
KPU 19

Facts

Applications:

- Traditional refrigeration
 - Air conditioning
 - Ventilating systems
 - Heating systems
- KPU 60/70
 - Ambient temperature: -40 °F to +122 °F (175 °F for maximum 2 hours)
 - Switch: Single pole changeover switch (SPDT)
 - Enclosure: NEMA 1
 - Cable entry: 7/8 inch cable entry for 1/2 inch male pipe thread connection (conduit boss) or similar screwed cable entry
 - KPU 19
 - Ambient temperature: -30 °F to +158 °F (bulb sensor); -30 °F to +140 °F (room sensor)
 - Switch: Single pole changeover switch (SPDT) and single pole non-changeover switch (SPST)
 - Enclosure: NEMA 1
 - Cable entry: 7/8 inch cable entry for 1/2 inch male pipe thread connection (conduit boss) or similar screwed cable entry

Technical data and ordering



KPU Temperature Controls

KPU Series	Bulb type	Range (°F)	Contact/Reset	Capillary tube length (in.)	Differential		Maximum bulb temperature (°F)	Competitor part no.	Danfoss Code No.
					at lowest temp. setting	at highest temp. setting			
KPU 61	Straight capillary tube ¹	-20 to 60	SPDT/Auto	80	10 to 40	2.5 to 13	250	O10-1416 O10-1010 O16-111 O10-1419	060L5201
KPU 61	Remote air coil ¹	-20 to 60	SPDT/Auto	80	8 to 40	2.5 to 13	250	O10-1408 O10-1409 O10-1473 O16-104 O10-1410	06L5203
KPU 62	Room sensor ¹	-20 to 60	SPDT/Auto	Room sensor	10 to 40	2.5 to 13	250	O10-1072 O10-1418 O16-594 O60-101	060L5206
KPU 68	Room sensor ¹	25 to 95	SPDT/Auto	Room sensor	8 to 45	3 to 13	250	O10-1802 O16-595 O10-301 O16-165	060L5215
KPU 73	Remote bulb ²	-15 to 60	SPDT/Auto	80	6.5 to 32	5 to 50	175	O60-100 O60-120	060L5208
KPU 71	Remote bulb ²	25 to 70	SPDT/Auto	80	5.5 to 18	4 to 16	175		060L5218
KPU 77	Remote bulb ²	60 to 140	SPDT/Auto	80	6 to 18	6.3 to 18	265	O60-200 A19AAF-12C A19AAB-4C A19ABB-2C A19ABB-7C	060L5223

¹ Bulb must be installed in colder position than thermostat housing and capillary tube.

² Temperature variations in excess of 70 °F between sensing bulb, housing, and capillary tube will influence scale accuracy.

Contact Load	Resistive load		24A/120V AC 24A/240V AC
	Inductive load	Full load	24A/120V AC 24A/240V AC
		Locked rotor	144A/120V AC 144A/240V AC
	Pilot duty		12W/120V DC



KPU Series	Bulb type	Range (°F)	Contact/Reset	Capillary tube length (in.)	Differential at lowest temp. setting	Maximum bulb temperature (°F)	Competitor part no.	Danfoss type	Danfoss Code No.
KPU 19	Remote bulb	-30 to 80	SPDT/Auto	120	3.6 to 12.6	140	A19ABC-24C A19ABC-37C A19ABC-74C A19AAC-4C A19AAF-20C	KPU19	060L2150¹
KPU 19		-30 to 80	SPST/Auto	80	3.6 to 12.6	140	A19AAD-5C A19ABA-40C A19AAD-12C	KPU19	060L2151¹
KPU 19	Room bulb	-30 to 80	SPDT/Auto	Room sensor	3.6 to 12.6	140	A19BBC-2C A19BAB-3C A19BAC-1C A19BAF-1C	KPU19	060L2152

¹ As 060L1250 is SPDT, 060L2150 can replace competitor parts crossed to both 060L2150 and 060L2151.

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		125VA/240V DC