



**KP 61
Thermostat
Pressure switch**



Danfoss KP 61 Thermostat Pressure switch Installation Guide

[Home](#) » [Danfoss](#) » Danfoss KP 61 Thermostat Pressure switch Installation Guide 

Contents

- [1 Danfoss KP 61 Thermostat Pressure switch](#)
- [2 Product Usage Instructions](#)
- [3 Installation guide](#)
- [4 Electrical rating – General](#)
- [5 Manual trip function](#)
- [6 Vapour charge](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)
- [8 Related Posts](#)



Danfoss KP 61 Thermostat Pressure switch



Specifications:

- **Model:** KP 61, KP 62, KP 63, KP 68, KP 69
- **Charge Type:** Vapour charge, Adsorption charge
- **Protection Rating:** Drip proof IP30 (EN 60529)
- **Electrical Ratings:**
 - AC 1: 16A
 - LR 112A
 - AC 3: 16A
 - AC 15: 10 A
- **Voltage:** 400V when used according to UL regulations
- **Refrigeration Controller:** Listed refrigeration controller 61B5

Product Usage Instructions

Installation:

1. Disconnect power supply before starting installation.
2. Use copper wire only for wiring connections.
3. Follow the specified tightening torque of 20 lb.in for secure connections.

Electrical Connection:

1. Ensure power supply is disconnected before making any wiring connections.
2. Do not touch live parts with bare fingers or tools to avoid electrical shock.

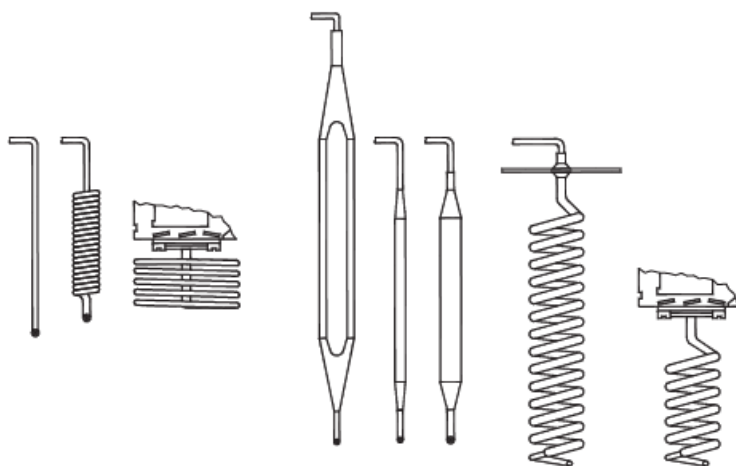
Manual Trip Function:

For models KP 61, KP 71, KP 73 with manual trip function, refer to the corresponding part numbers for additional information on installation and usage.

KP 61, KP 62, KP 63, KP 68, KP 69 vapour charge

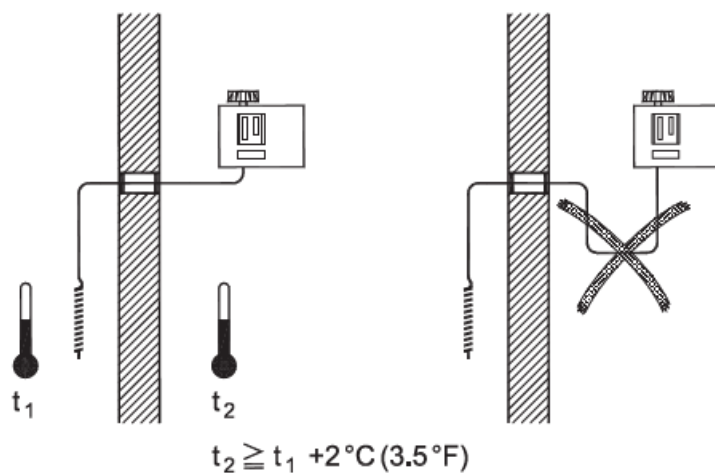
KP 62, KP 71, KP 73, KP 75, KP 77, KP 78, KP 79, KP 81, KP 85 adsorption charge (cross ambient)

Installation guide

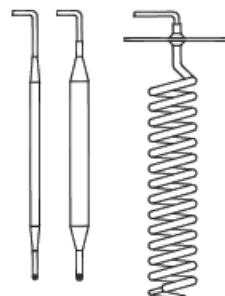
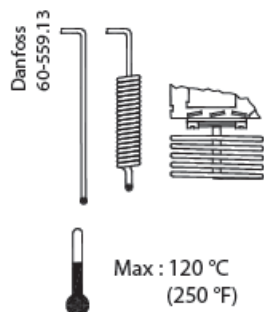
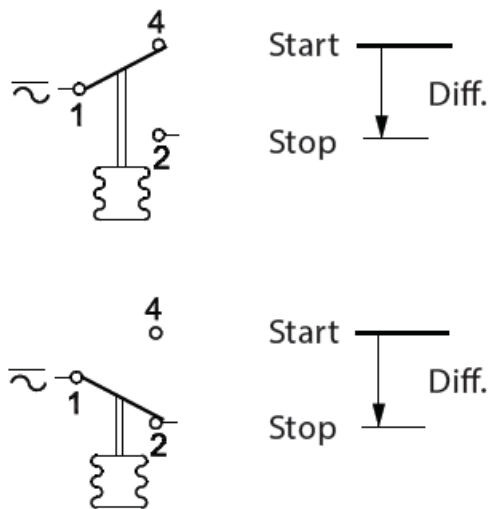
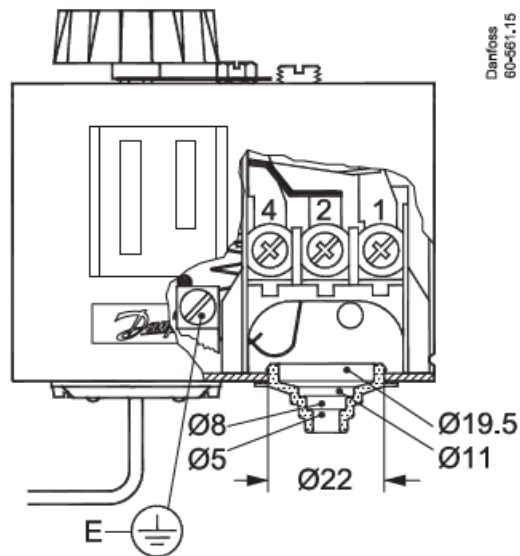


Vapour charge

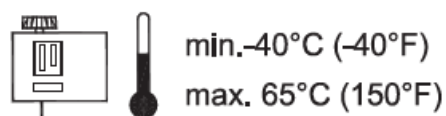
Adsorption charge



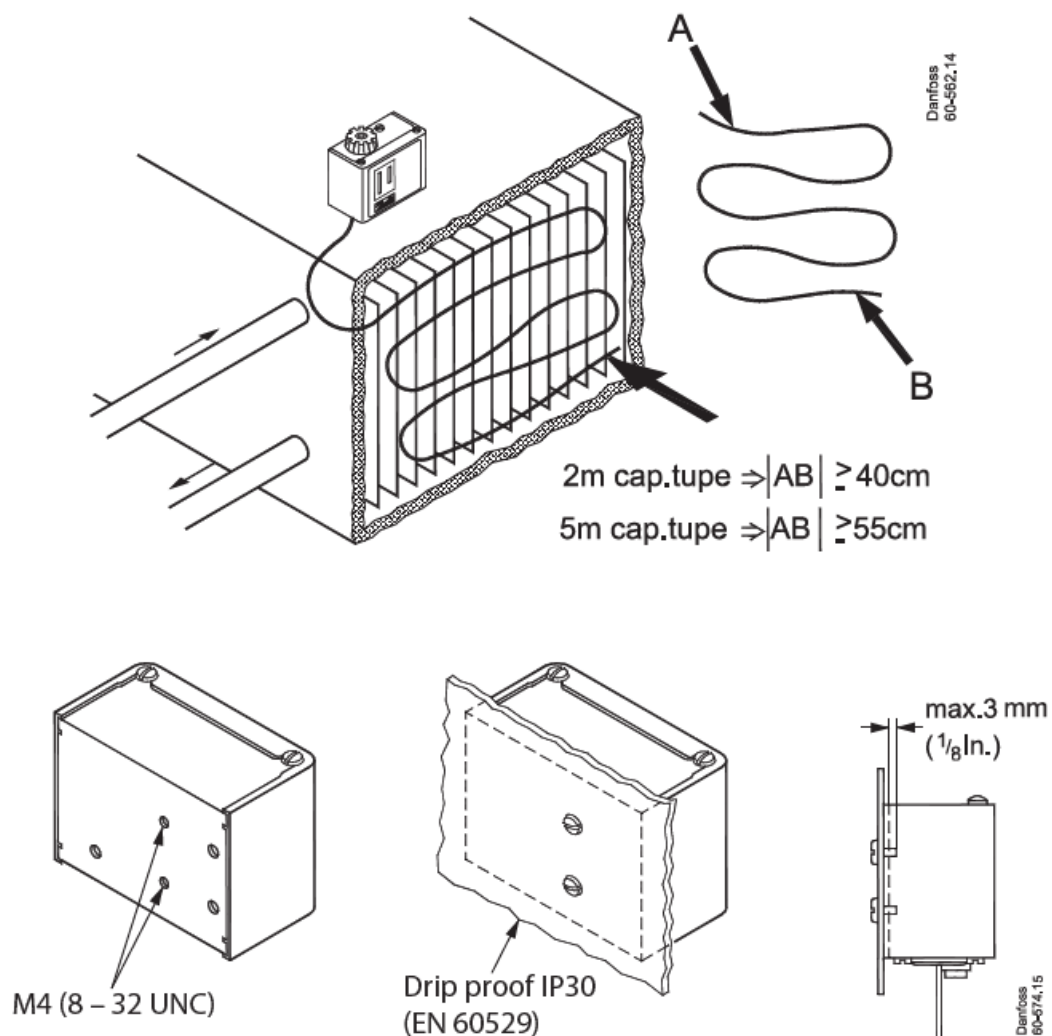
Vapour charge



	Max.
KP 62, KP 71, KP 73:	80 °C (175 °F)
KP 75	: 110 °C (230 °F)
KP 77	: 130 °C (265 °F)
KP 78, KP 79	: 150 °C (300 °F)
KP 81	: 200 °C (390 °F)
KP 85	: 300 °C (572 °F)



Danfoss
60-560.12



Electrical rating – General

LR 112A	AC 1: 16A	400 V	DC 11 12 W 220 V
	AC 3: 16A		
	AC 15: 10 A		

When used acc. to UL regulations

UL US LISTED **Listed refrigeration controller 61B5**

Voltage		FL	LR	Resist.	Pilot
AC	DC	A	A	load	duty
240		8	48	8 A	3 A
120		16	96	16 A	
	240				12 W

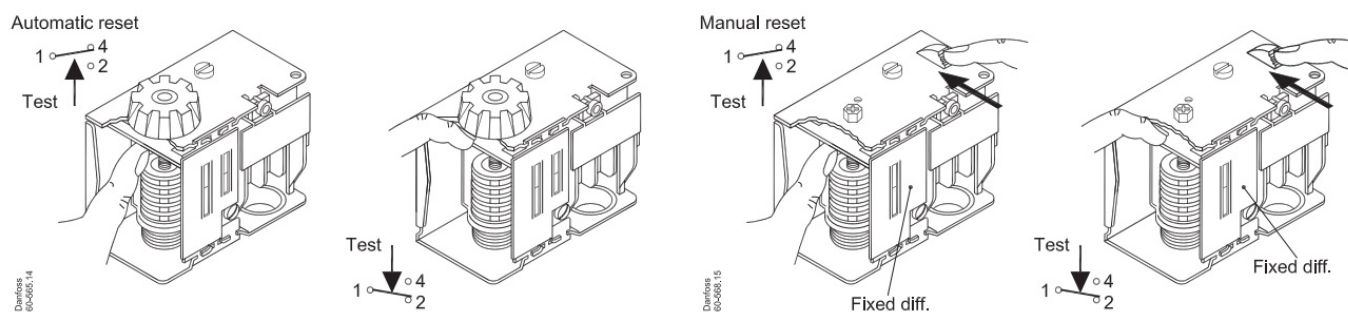
Use copper wire only
 Tightening torque 20 lb.in.

not applying for KP 85

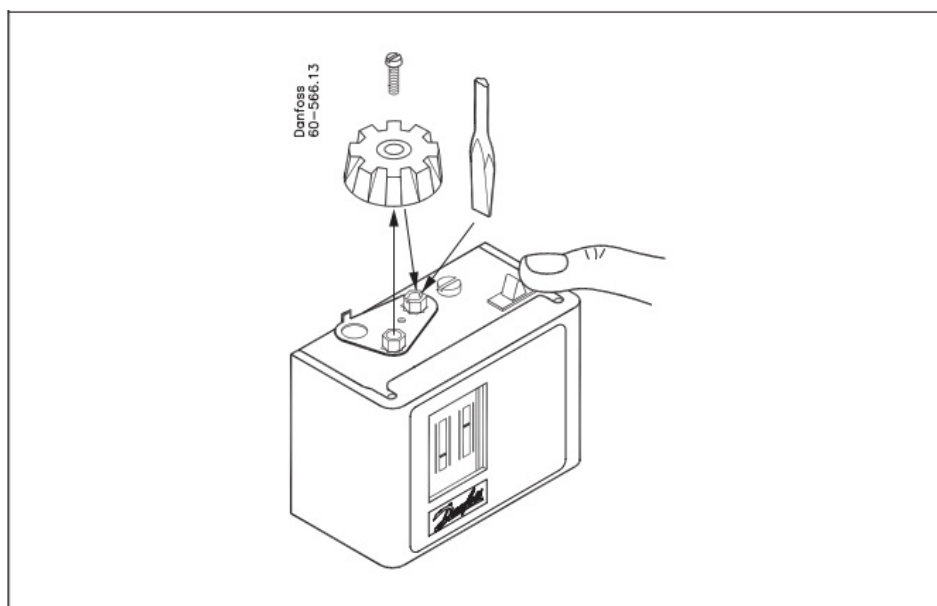
CAUTION:

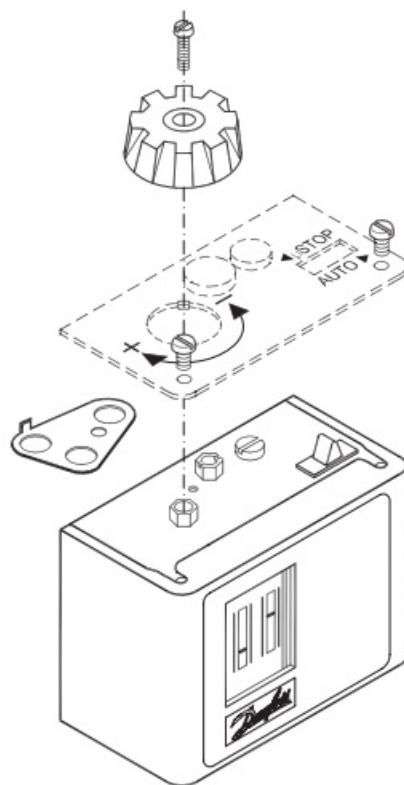
Disconnect power supply before wiring connections are made or service to avoid possible electrical shock or damage to equipment.

Do never touch live parts with your fingers or with any tool.

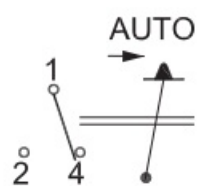
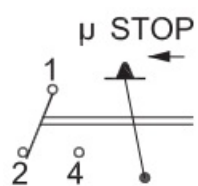
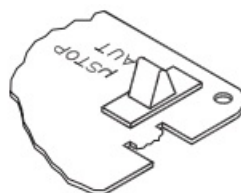
Manual trip function

KP 61	060L110466, 060L110566
KP 71	060L111566
KP 73	060L113866

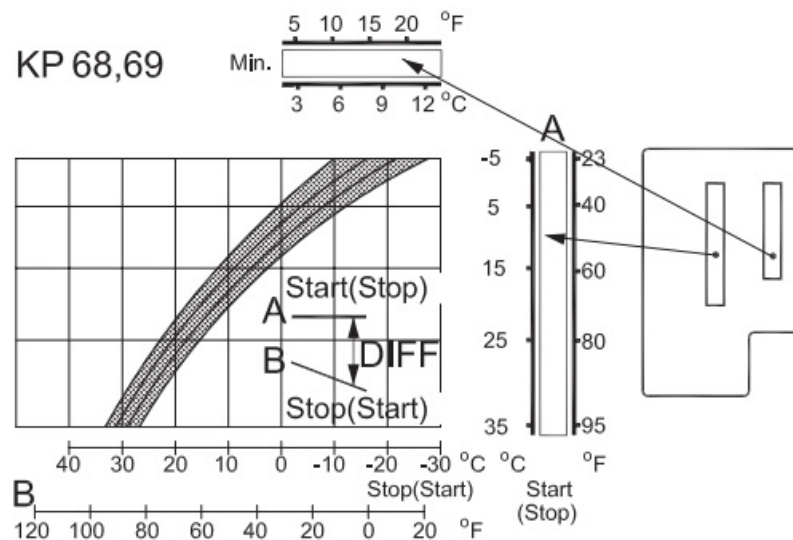
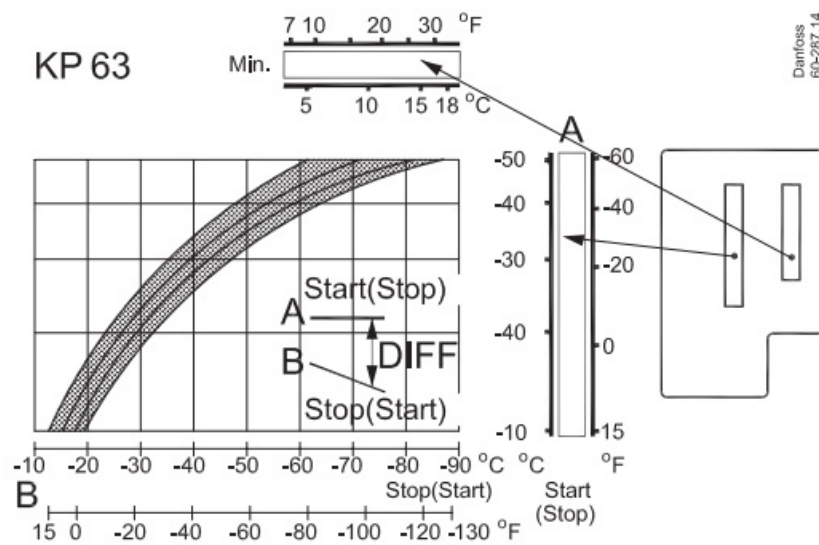
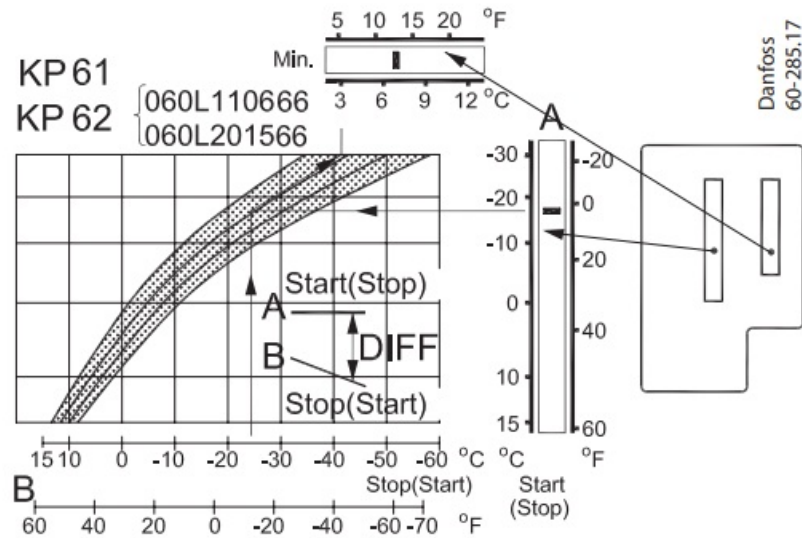




KP 61	060L110366 060L112866	Vapour charge
KP 62	060L111066	Adsorption charge
KP 73	060L111866	



Vapour charge



Frequently Asked Questions (FAQ):

Q: What is the protection rating of the product?

A: The protection rating is Drip proof IP30 (EN 60529).

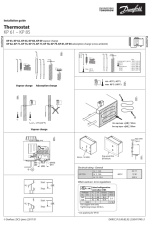
Q: Can I use any type of wire for electrical connections?

A: No, only copper wire should be used for wiring connections.

Q: How should I handle the manual trip function?

A: Follow the specific instructions provided for models KP 61, KP 71, KP 73 with manual trip function.

Documents / Resources

	Danfoss KP 61 Thermostat Pressure switch [pdf] Installation Guide KP 61, KP 62, KP 63, KP 68, KP 69, KP 71, KP 73, KP 75, KP 77, KP 78, KP 79, KP 81, KP 85, KP 61 Thermostat Pressure switch, KP 61, Thermostat Pressure switch, Pressure switch, switch
---	---

References

- [User Manual](#)

Manuals+. Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.