

Installation guide

Pressure switch

KP 15, KP 15A, KP 17W, KP 17B, KP 17WB

060R9753

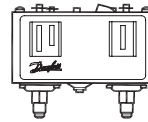
Refrigerants:

R22, R134a, R404A, R407A, R407C, R407F, R422B, R422D, R448A, R449A, R450A, R452A, R507A, R513A, R717*)

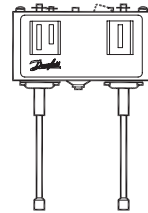
For complete list of approved refrigerants, go to <http://products.danfoss.com/all-products/>

*) only for KP 15A

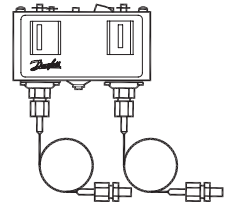
KP 15, KP 17



KP 15, KP 17



KP 15A



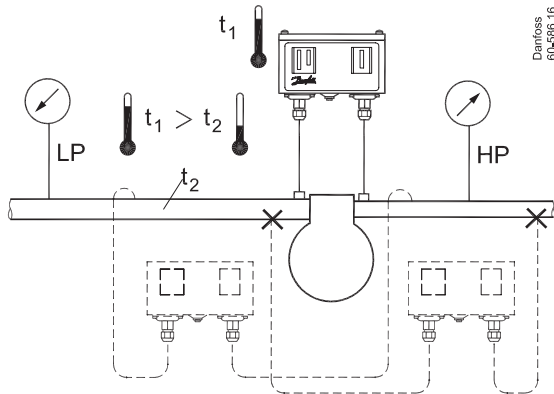
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Ambient temperatures / Mounting requirements

t₁ min. KP 15: -40 °C (-40 °F)

t₁ min. KP 17: -25 °C (-13 °F)

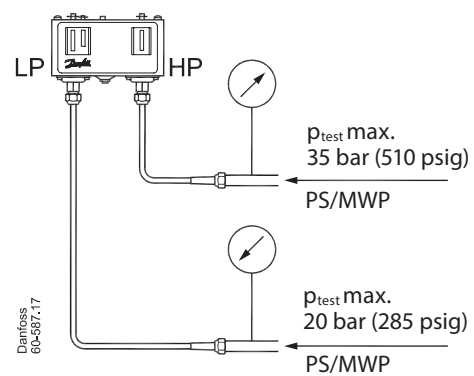
t₁ max.: 65 °C (149 °F)



Relative humidity RH: 30 – 98%

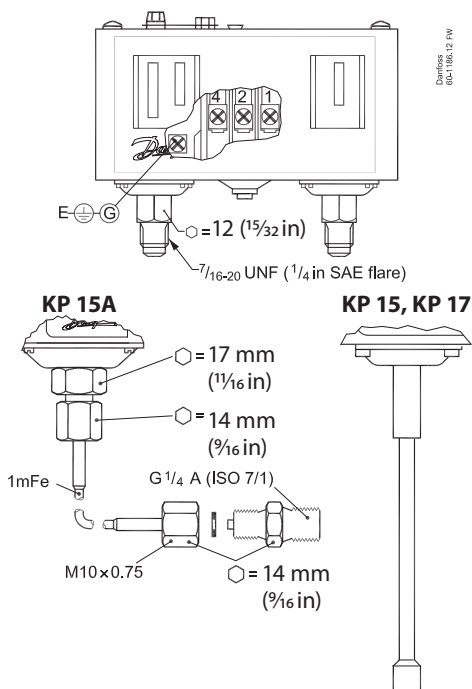
Vibrations resistance: 4 g (10 – 1000 Hz)

Test pressure (P_{test})

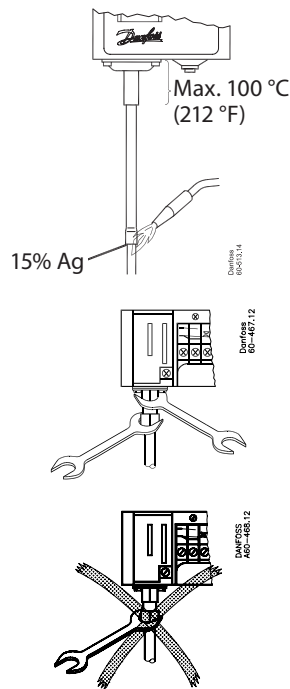


Type	Regulation range	Max. working pressure PS/MWP
KP 15	LP: -0.2 – 7.5 bar HP: 8 – 32 bar	17 bar/245 psig 35 bar/510 psig
KP 15 LP man. reset	LP: -0.9 – 7 bar HP: 8 – 32 bar	17 bar/245 psig 35 bar/510 psig
KP 17	LP: -0.2 – 7.5 bar HP: 8 – 32 bar	17 bar/245 psig 35 bar/510 psig

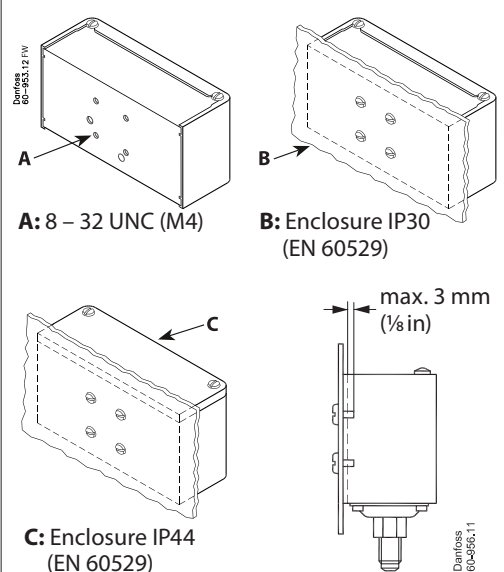
Connections



Mounting



Enclosure

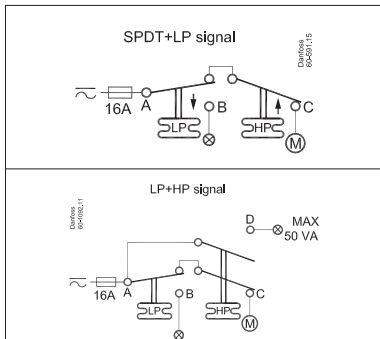




CAUTION:

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.

LP side: A-C opens on pressure drop
HP side: A-C opens on pressure rise



Electrical rating - General

LR 112A	AC 1: 16 A	400 V AC	DC 13
	AC 3: 16 A		12 W
	AC 15: 10 A		220 V

Short circuit protection:

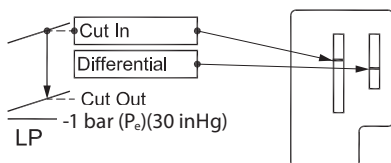
Fuse 16 Amp

When used acc. to UL regulations

C  US LISTED		Listed refrigeration controller 61B5				
Contacts	Voltage		FL	LR	Resist. load	Pilot duty
	AC	DC	A	A		
A - B A - C	240	—	8	48	8 A	3 A
	120	—	16	96	16 A	
	—	240	—	—	—	12 W
A - D	240	—	—	—	—	50 VA

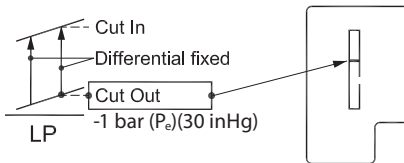
Use copper wire only
Tightening torque 20 lb. in

LP = Low Pressure



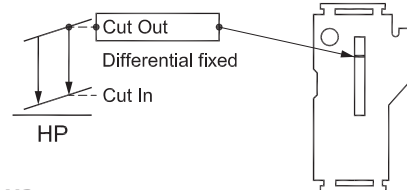
LP, aut. reset

LP = Low Pressure



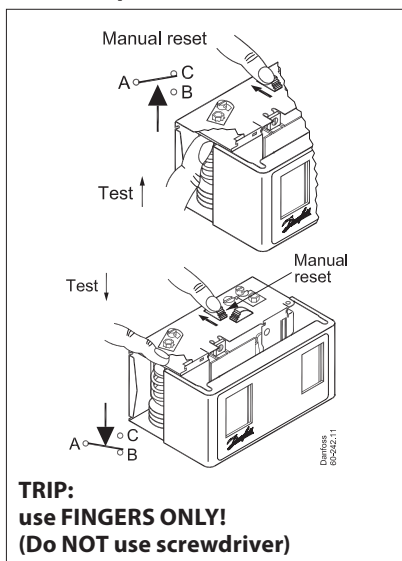
LP, man. reset

HP = High Pressure

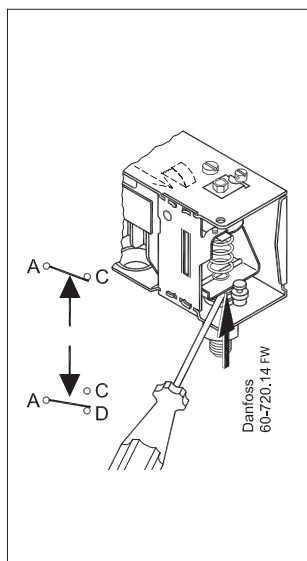


HP

Manual trip function

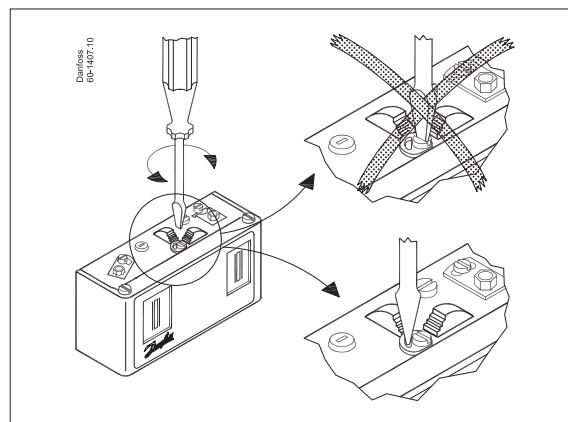


TRIP:
use FINGERS ONLY!
(Do NOT use screwdriver)



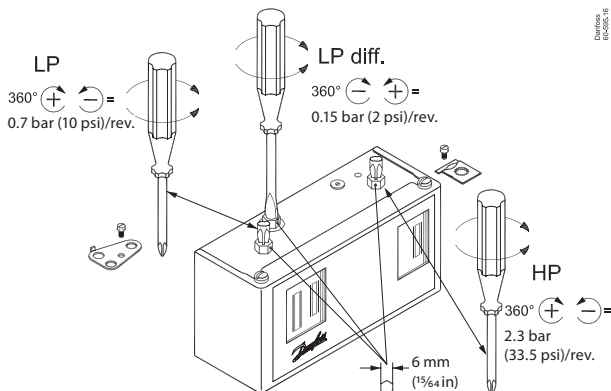
Convertible reset

KP 15: LP/HP convertible, KP 17WB: HP convertible



Insert a screwdriver into the slot on the lock disc and turn it to desired reset configuration. Do not turn the screw on the lock disc as it may damage the convertible reset mechanism.

Adjustment



Reset options

LP → RESET HP → RESET	↑ RESET ↑ RESET	↑ RESET ↑ RESET	↓ RESET ↓ RESET
LP man. HP man	LP auto. HP man	LP auto. HP auto.	LP man. HP auto.

Note: Do not select automatic reset if safety of the system requires manual reset.

Note: Selected reset configuration may be protected against unauthorized actions applying a seal.