

Installation Guide

Pressure Control

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

060R9753

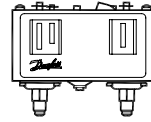
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Refrigerants

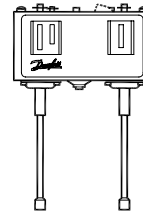
KP 15, 17W, 17B, 17WB:
HCFC and non-flammable HFC

KP15A:
R717, HCFC and non-flammable HFC

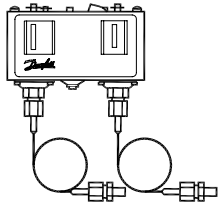
KP 15, KP 17



KP 15, KP 17



KP 15A

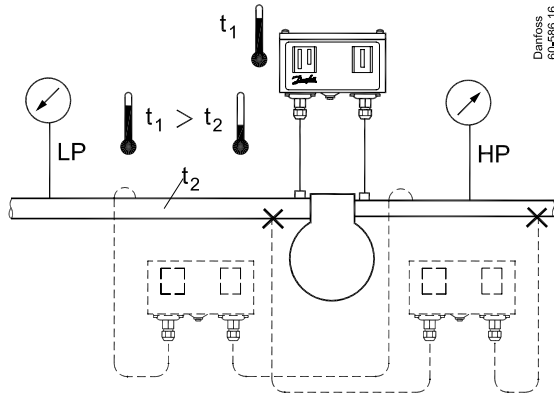


Ambient temperatures / Mounting requirements

t_1 min. KP 15: -40 °C (-40 °F)

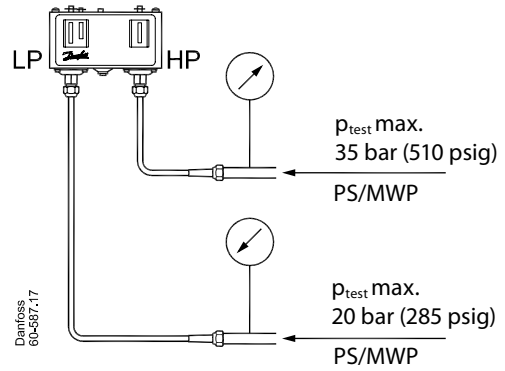
t_1 min. KP 17: -25 °C (-13 °F)

t_1 max.: 65 °C (149 °F)



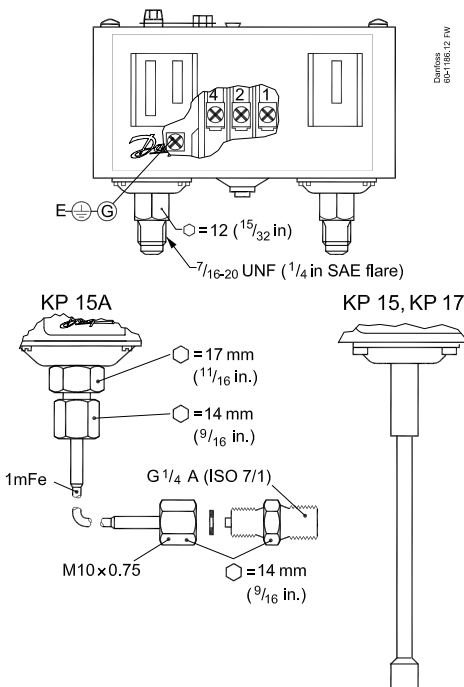
Relative humidity RH: 30 – 98%
Vibrations resistance: 4 g (10 – 1000 Hz)

Test pressure (P_{test})

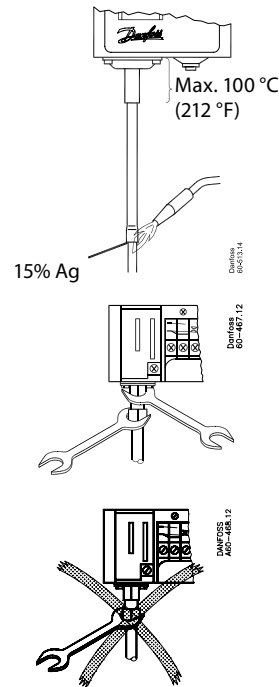


Type	Regulation range	Max. working pressure PS/MWP
KP 15	LP: -0.2 – 7.5 bar HP: 8 – 32 bar	17 bar / 245 psig 35 bar / 510 psig
KP 15 LP man. reset	LP: -0.9 – 7 bar HP: 8 – 32 bar	17 bar / 245 psig 35 bar / 510 psig
KP 17	LP: -0.2 – 7.5 bar HP: 8 – 32 bar	17 bar / 245 psig 35 bar / 510 psig

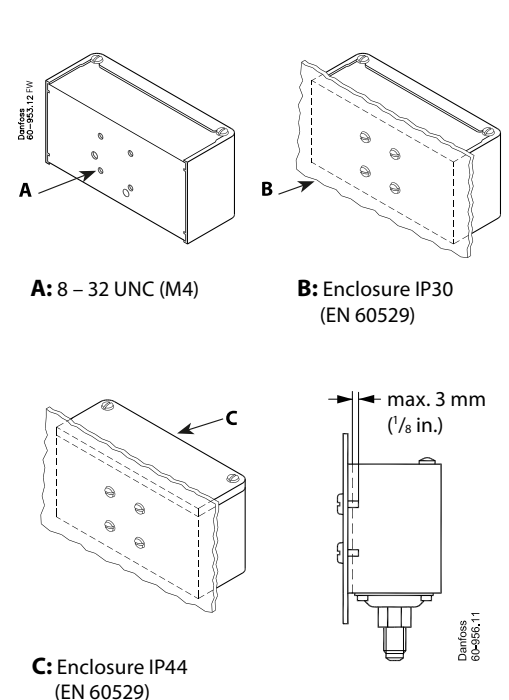
Connections



Mounting



Enclosure

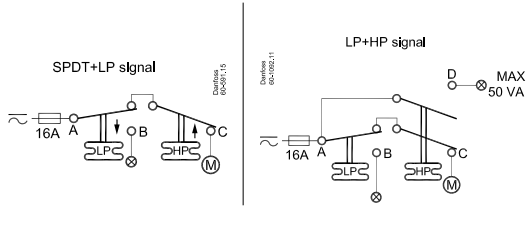




CAUTION:

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

AC 1	16 A	400 V a.c.	DC 13
AC 3	16 A		12 W
AC 15	10 A		220 V

Short circuit protection:
Fuse 16 Amp

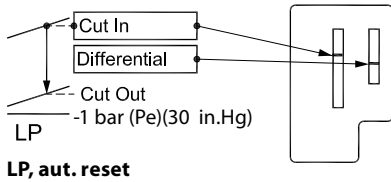
When used acc. to UL regulations

UL US LISTED Listed refrigeration controller 61B5

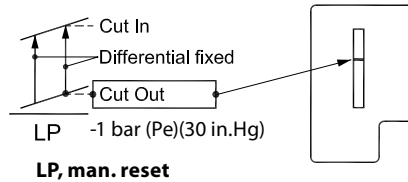
Contacts	Voltage		FL A	LR A	Resist. load	Pilot duty
	AC	DC				
A-B A-C	240	—	8	48	8 A	3A
	120	—	16	96	16 A	
A-D	—	240	—	—	—	12 W
A-D	240	—	—	—	—	50 VA

Use copper wire only
 Tightening torque 20 lb. in.

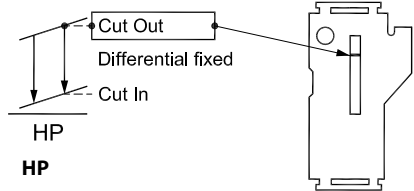
LP = Low Pressure



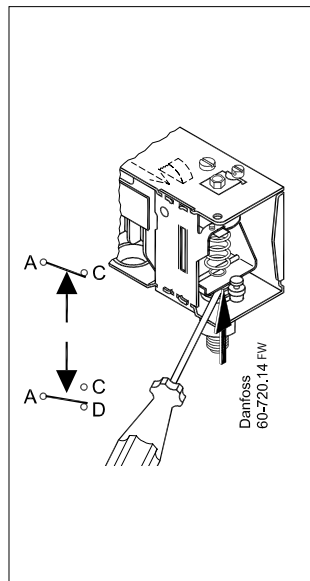
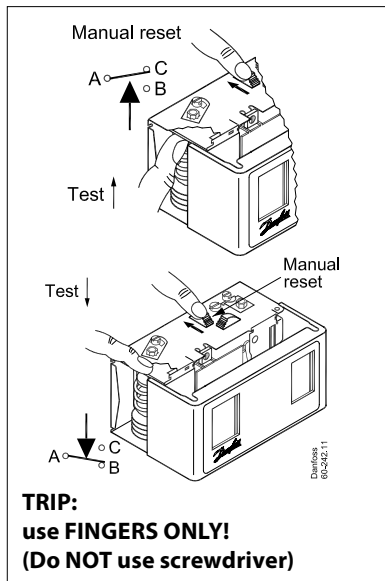
LP = Low Pressure



HP = High Pressure

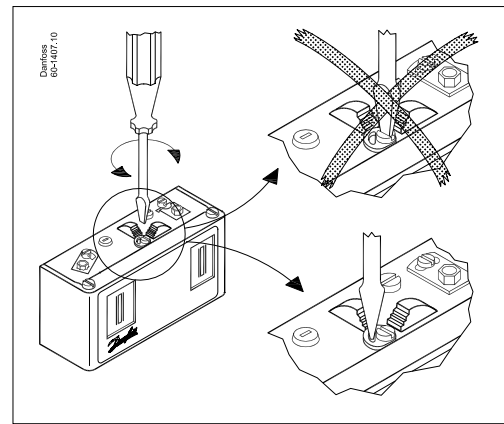


Manual trip function



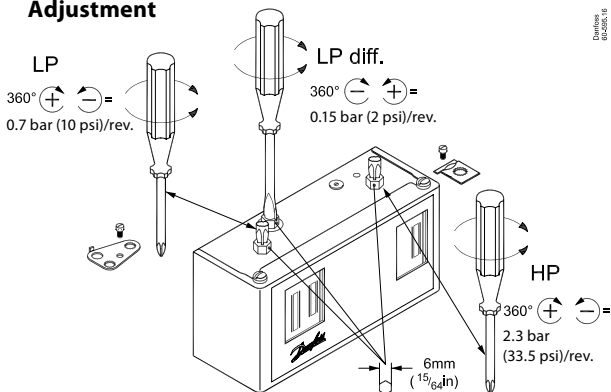
Convertible reset

KP15: LP/HP convertible, KP17WB: 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 man.	LP auto.	LP auto.	LP man.
HP man.	HP man.	HP auto.	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.