

## Installation guide

# Pressure switch

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

060R9753

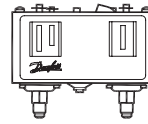
### Refrigerants:

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

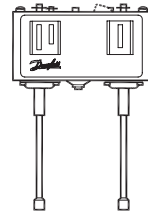
For complete list of approved refrigerants, go to <http://products.danfoss.com/all-products/>

\*) only for KP 15A

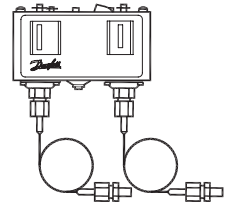
KP 15, KP 17



KP 15, KP 17



KP 15A



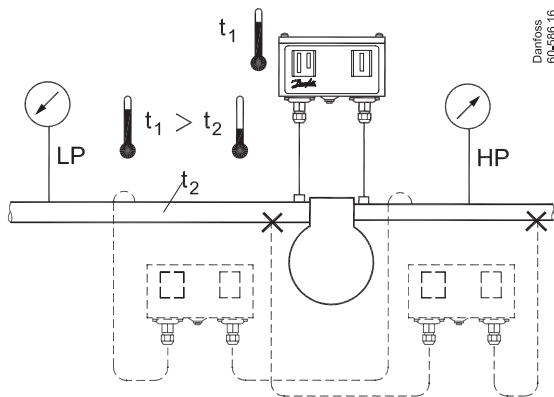
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### Ambient temperatures / Mounting requirements

$t_1$  min. KP 15: -40 °C (-40 °F)

$t_1$  min. KP 17: -25 °C (-13 °F)

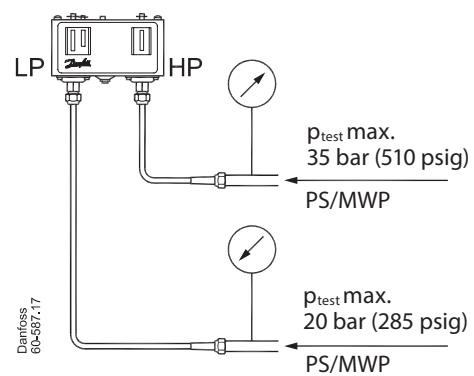
$t_1$  max.: 65 °C (149 °F)



Relative humidity RH: 30 – 98%

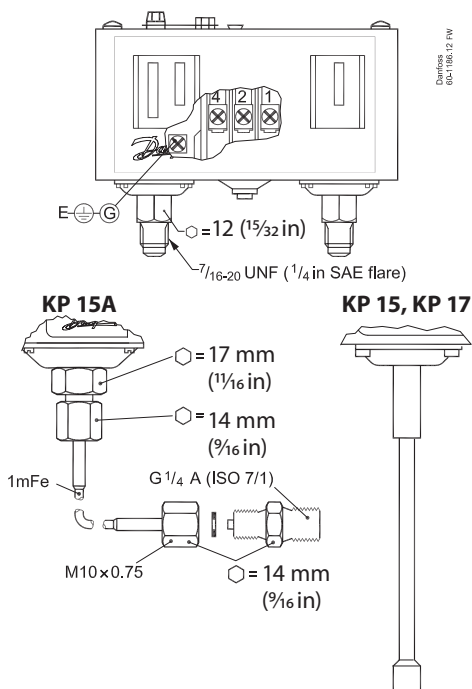
Vibrations resistance: 4 g (10 – 1000 Hz)

### Test pressure ( $P_{test}$ )

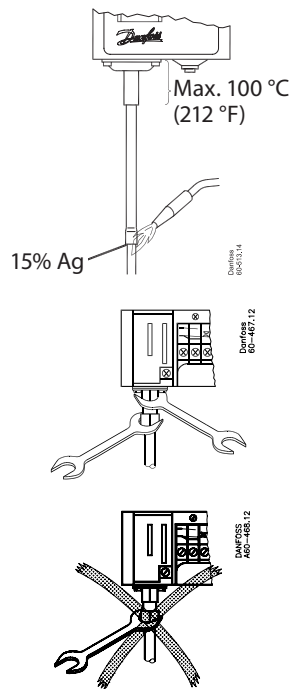


Type	Regulation range	Max. working pressure PS/MWP
KP 15	LP: -0.2 – 7.5 bar HP: 8 – 32 bar	17 bar/245 psig 35 bar/510 psig
KP 15 LP man. reset	LP: -0.9 – 7 bar HP: 8 – 32 bar	17 bar/245 psig 35 bar/510 psig
KP 17	LP: -0.2 – 7.5 bar HP: 8 – 32 bar	17 bar/245 psig 35 bar/510 psig

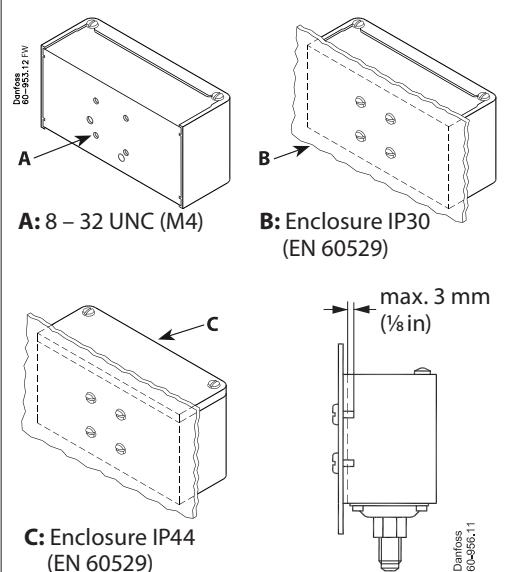
### Connections



### Mounting



### Enclosure

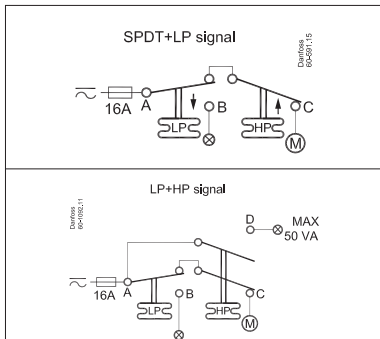




### CAUTION:

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

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:

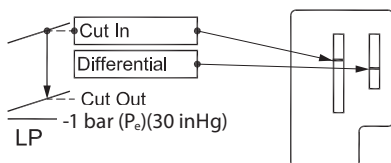
Fuse 16 Amp

### When used acc. to UL regulations

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

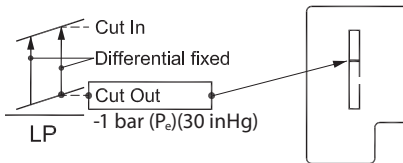
Use copper wire only  
Tightening torque 20 lb. in

### LP = Low Pressure



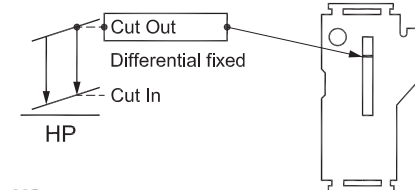
### LP, aut. reset

### LP = Low Pressure



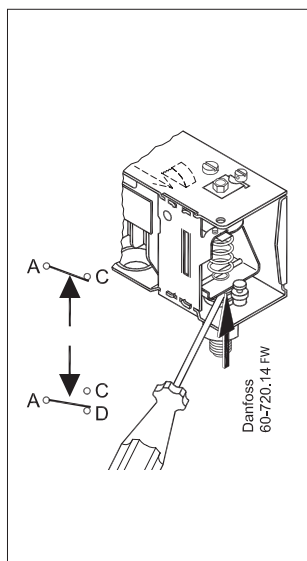
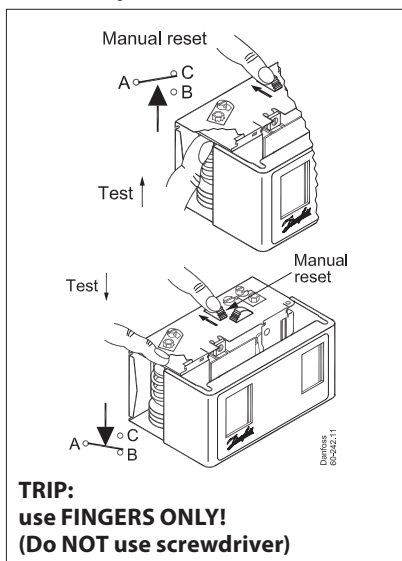
### LP, man. reset

### HP = High Pressure



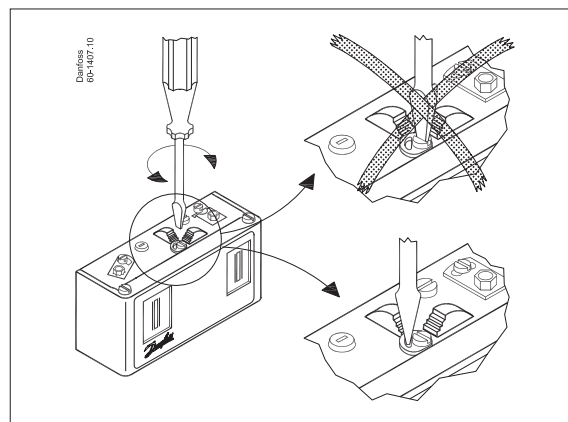
### HP

### Manual trip function



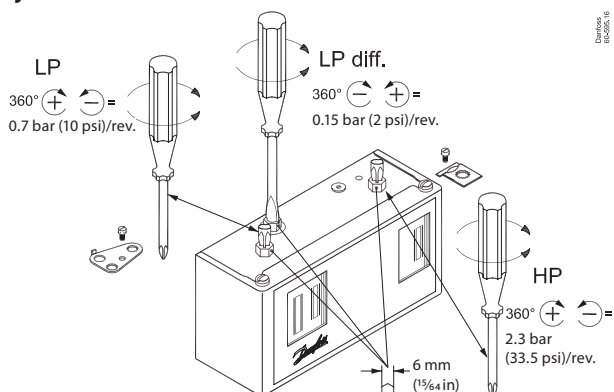
### Convertible reset

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.	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.