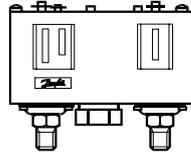


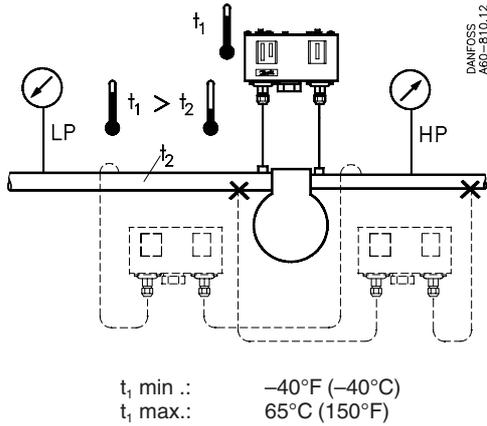
060F9752

The ammonia control can be used with R 717 (NH₃), CFC, HCFC and HFC refrigerants



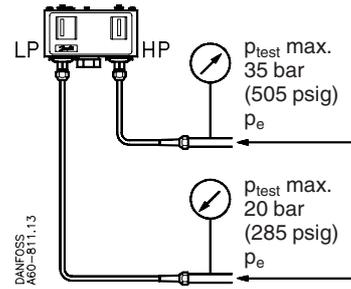
060F9752

Ambient temperatures

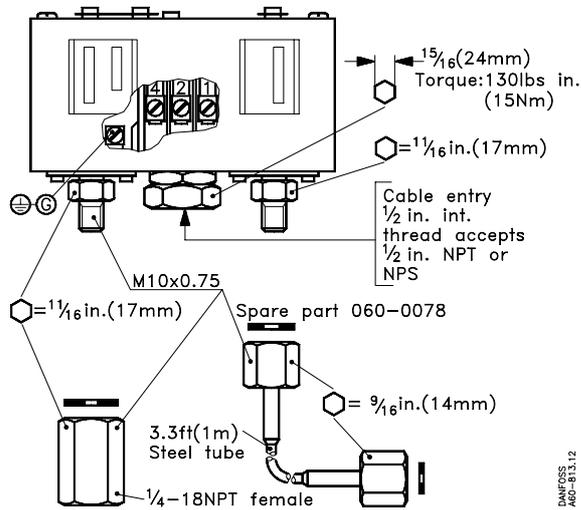


CAUTION: Do not mount the control in a position where dirt, sediment or oil will affect the operation of the control.

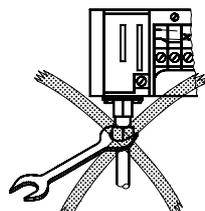
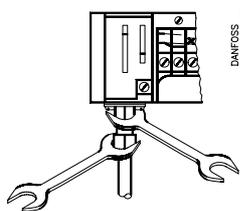
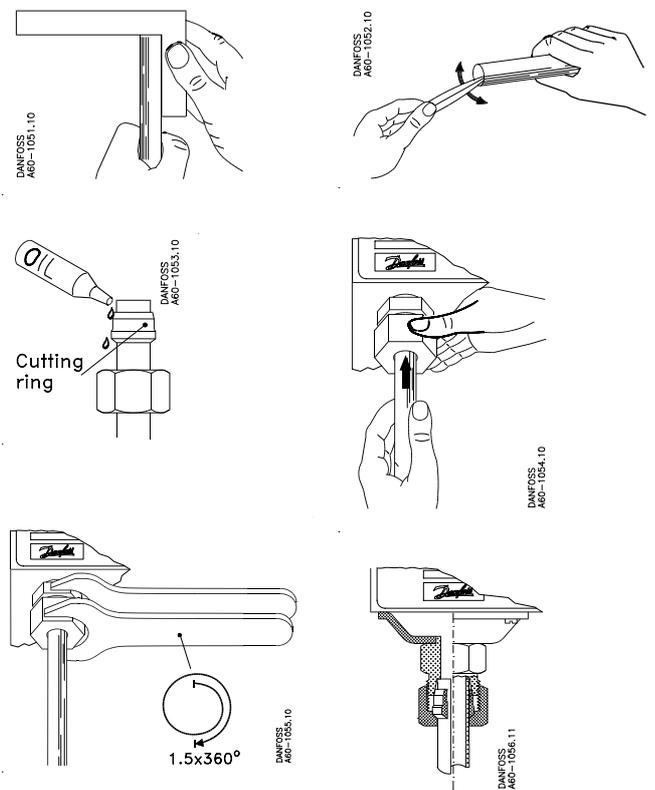
Test pressure (p_{TEST})



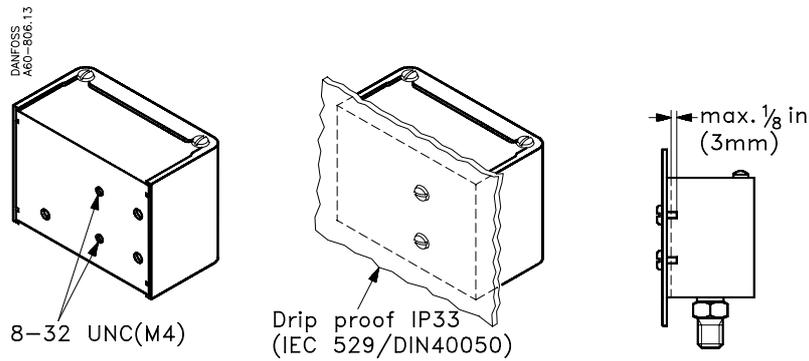
Connections



Cutting ring



Enclosure



CAUTION: The mounting panel must be plane to avoid damage of control.

Wiring

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

All wiring should conform to the National Electrical Code and local regulations.

SPDT Controls with low pressure (LP) signal

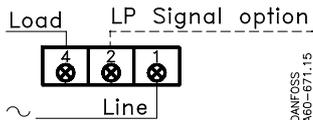
Controls with low pressure (LP) and high pressure (HP) signal

Contact load ratings

120 V a.c.	16 FLA, 96 LRA
240 V a.c.	8 FLA, 48 LRA
240 V d.c.	12 W pilot duty

See label inside cover

Terminal block



CAUTION: Use terminal screws furnished in the contact block.
Use tightening torque 20 lb. in (2.3 Nm).
Use copper wire only.

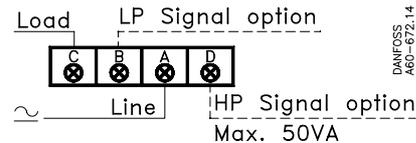
Low pressure (LP) side:
A-C close on LP rise
A-C open on LP drop

High pressure (HP) side:
A-C open on HP rise
A-C close on HP drop

LP signal option:
A-B close on LP drop

See label for current wiring inside cover

Terminal block



CAUTION: Use terminal screws furnished in the contact block.
Use tightening torque 20 lb. in (2.3 Nm).
Use copper wire only.

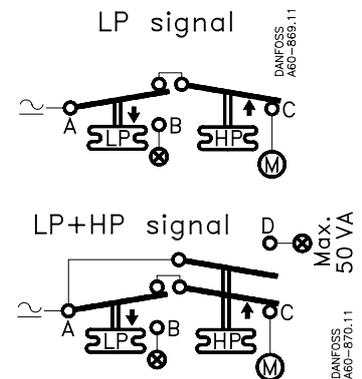
Low pressure (LP) side:
A-C close on LP rise
A-C open on LP drop

High pressure (HP) side:
A-C open on HP rise
A-C close on HP drop

LP signal option:
A-B close on LP drop

HP signal option:
A-D close on HP rise

Function



Note!

- (M) = Load
- (X) = Signal option
- = Bellows movement on pressure rise
- ↔ = Bellows movement on pressure drop

Electrical contacts/wiring test

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

LP side

Up

Down

A C Contacts position
B

DANFOSS A60-762.11

HP side

DANFOSS A60-720.14

Use screw driver only

A C Contacts position
D

Note:
On controls with LP and/or HP man. reset, push corresponding LP and/or HP man. reset knob during tripping.

Manual reset

LP Manual reset

DANFOSS A60-761.12

HP Manual reset

DANFOSS A60-719.15

To resume control operation after safety cut-out, push man. reset knob as indicated.

Note:
LP man. reset is possible only after system pressure has risen above cut-in value.
HP man. reset is possible only after system pressure has dropped below cut-out value.

Convertible reset

Reset

Factory setting

Turn plate to desired reset configuration

DANFOSS A60-695.12

LP man. HP-man.

LP-auto. HP-man.

LP-auto. HP-auto.

LP-man. HP-auto.

DANFOSS A60-763.10

Adjustment spindle(s) location

DANFOSS A60-814.11

LP range cut-in

HP range cut-out

HP fixed diff. 58psi(4bar)

LP Diff.

DANFOSS A60-717.12

LP man.reset knob

HP man.reset knob

LP range cut-out

HP range cut-out

HP fixed diff. 58psi(4bar)

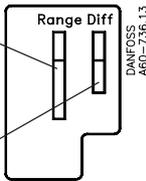
LP fixed diff. 10psi(0.7bar)

Setting

Low pressure (LP) side setting

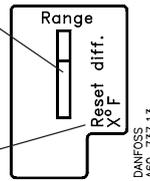
KP 15A with LP auto. reset only

1. Adjust range spindle to desired CUT-IN value.
2. Adjust differential spindle to desired DIFFERENTIAL (DIFF.) value.



*KP 15A with LP man. reset only
KP 15A with convertible LP auto./man. reset*

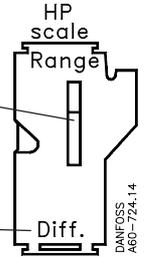
1. Adjust range spindle to desired CUT-OUT value.
2. DIFFERENTIAL (DIFF.) is fixed. Value printed on scale plate.



High pressure (HP) side setting

KP 15A with HP auto. or man. reset

1. Adjust range spindle to desired CUT-OUT value.
2. DIFFERENTIAL (DIFF.) is fixed. Value printed on scale plate.



CUT-IN minus DIFFERENTIAL equals CUT-OUT

Example:
 CUT-IN - DIFF. = CUT-OUT
 30 psig - 10 psi = 20 psig
 (2.1 bar) - (0.7 bar) = (1.4 bar)

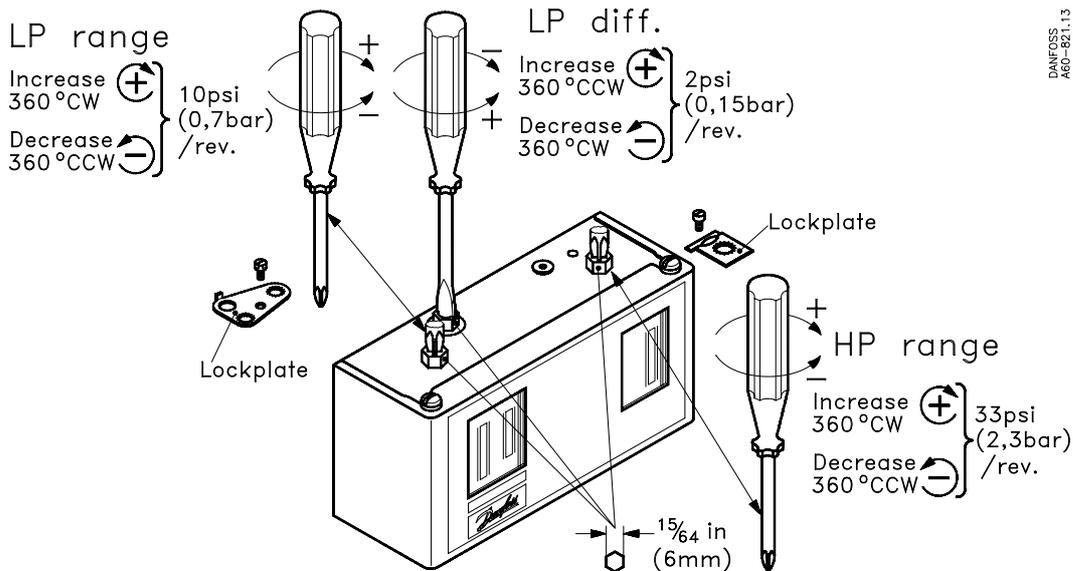
CUT-IN equals CUT-OUT plus DIFFERENTIAL

Example:
 CUT-OUT + DIFF. = CUT-IN
 12 psig + 10 psi = 22 psig
 (0.8 bar) + (0.7 bar) = (1.5 bar)

CUT-OUT minus DIFFERENTIAL equals CUT-IN

Example:
 CUT-OUT - DIFF. = CUT-IN
 203 psig - 58 psi = 145 psig
 (14 bar) - (4 bar) = (10 bar)

Adjustment



Note:
 Remove lockplate before adjustment.
 Replace lockplate after adjustment (if desired).