

Instructions

Pressure Controls KP 21

060R9410

Ambient temperatures

DANFOSS
A60-546.17

t_1 min.	-40°C (-40°F)
	-25°C (-13°F)
t_1 max	65°C (150°F)

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})

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Enclosure

10-32 UNC
Threads(4 holes)

Drip proof IP30
(EN 60529)

Enclosure IP44
(EN 60529)

max. 1/8 in
(3mm)

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60714.14

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

Low pressure (LP) side setting

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A60-736.13

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

CUT-IN minus DIFFERENTIAL equals CUT-OUT

High pressure (HP) side setting

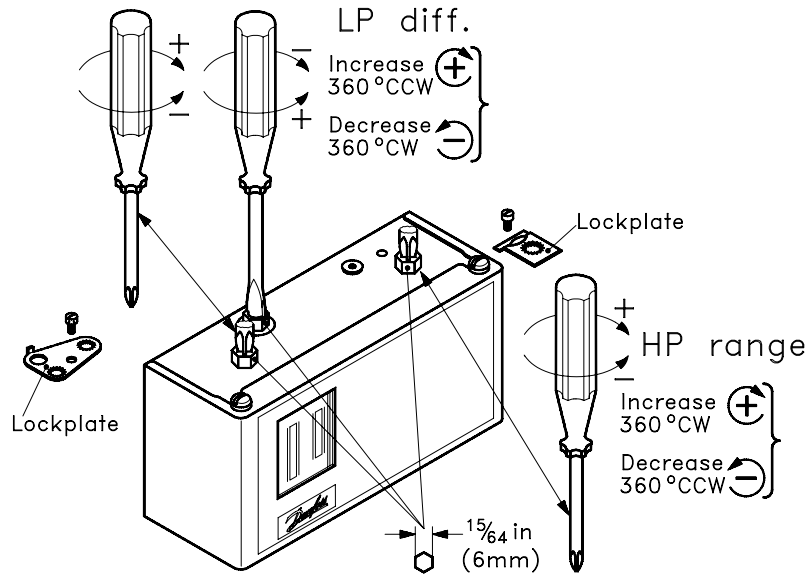
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A60-724.14

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

CUT-OUT minus DIFFERENTIAL equals CUT-IN

LP range

Increase 360°CW (+)
Decrease 360°CCW (-)



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A60-721.16



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.

Contact load

Alternating current:

AC 1: 16 A, 400 V

AC 3: 16 A, 400 V

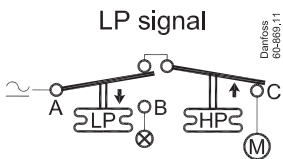
AC15: 10A, 400 V

Max. starting current (L.R.): 112 A, 400 V

Direct current:

DC13: 12 W, 220 V control current

Function



Note!

(M) = Load

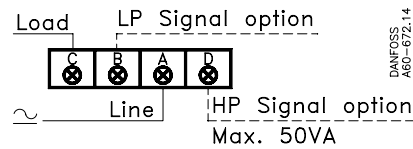
(X) = Signal option

= Bellows movement on pressure rise

= Bellows movement on pressure drop

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

Terminal block



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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