

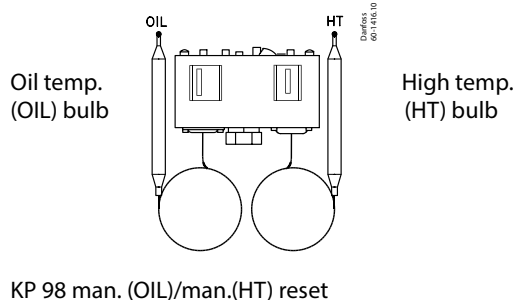
Installation guide

Thermostat

Type KP 98 (cross ambient)

060R9749

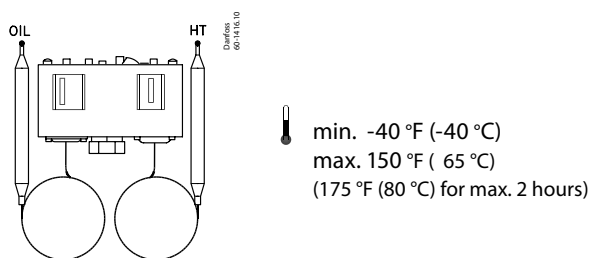
060R9749



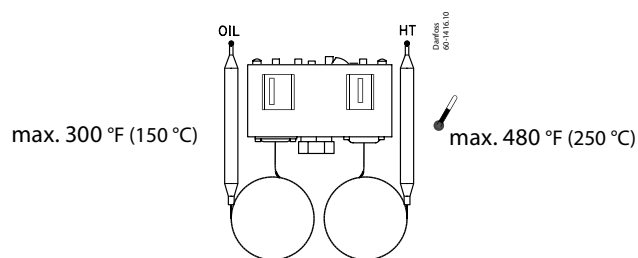
Note:

Code no. stamped on top of control.

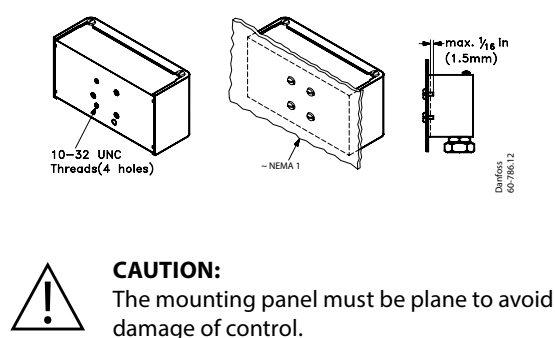
Ambient temperatures



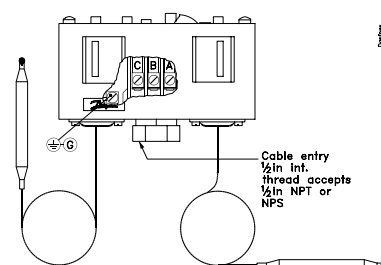
Max. bulb temperatures



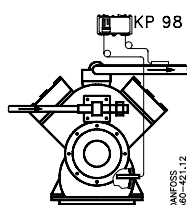
Enclosure



Cable entry

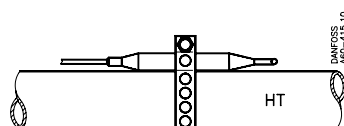


Mounting

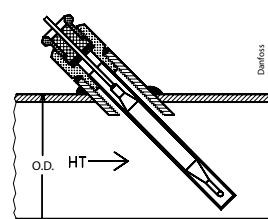


Mount OIL temperature bulb in compressor crankcase and the HT bulb on/in discharge line as shown.

Small pipe size



Large pipe size
OD > 3.5 in.



Wiring



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

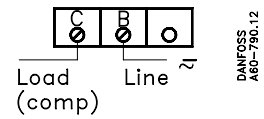
All wiring should conform to the National Electrical Code and local regulations.

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.

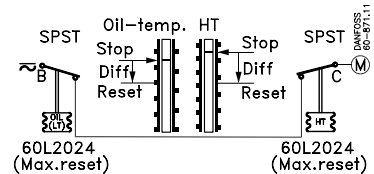
SPST
Terminal block



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

B-C open on oil temperature rise
B-C open on discharge temperature rise
A is not used

See label for current wiring inside cover.



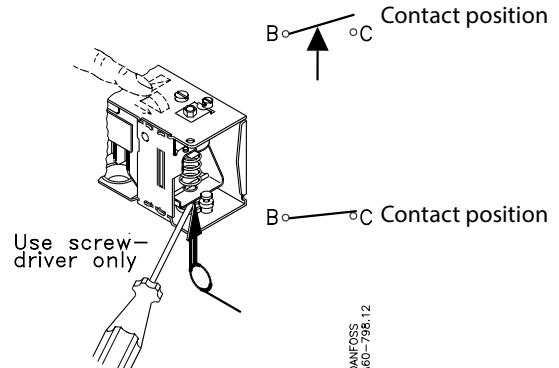
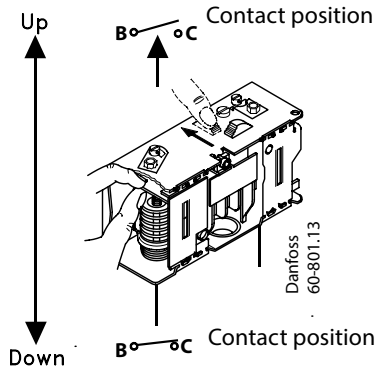
Manual tripping

(Electrical contacts/wiring test)

OIL side

HT side

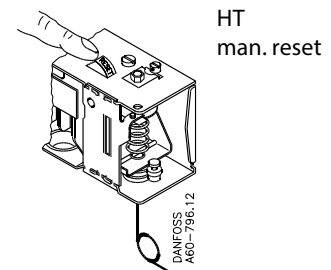
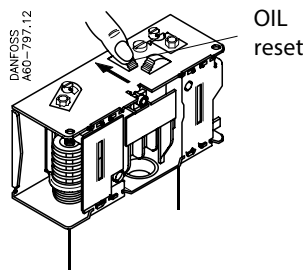
TRIP
use FINGERS ONLY!
(Do NOT use screwdriver)



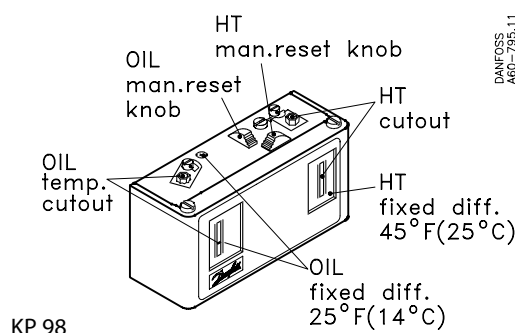
Manual reset

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

Note:
OIL/HT man. reset is possible only after oil or discharge temperature is equal to or has dropped below cut-in value.



Adjustment spindle(s) location

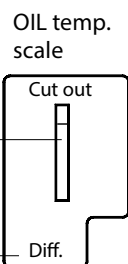


A. MAN./MAN. RESET

Setting

Oil temp. (OIL) side setting

1. Adjust range spindle to desired CUT-OUT value (max. allowable oil temp.)
2. Differential (DIFF.) is fixed 25 °F (14 °C)
Value printed on scale plate

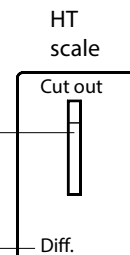


CUT OUT minus DIFFERENTIAL equals CUT-IN

Example:
 CUT-OUT - DIFF. = CUT-IN
 200 °F - 25 °F = 175 °F
 (93 °C) (14 °C) (79 °C)

High temp. (HT) side setting

1. Adjust range spindle to desired CUT-OUT value (max. allowable discharge temp.)
2. Differential (DIFF.) is fixed 45 °F (25 °C)
Value printed on scale plate



CUT OUT minus DIFFERENTIAL equals CUT-IN

Example:
 CUT-OUT - DIFF. = CUT-IN
 325 °F - 45 °F = 280 °F
 (163 °C) (25 °C) (138 °C)

Note:

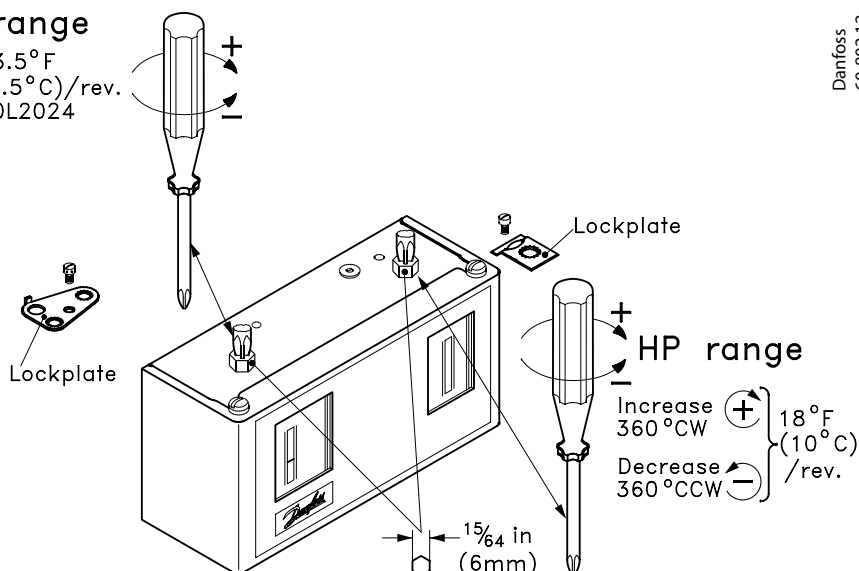
CUT-OUT = compressor cut-out

CUT-IN = compressor cut-in

Adjustment

OIL temp.range

Increase $\oplus$ 13.5 °F (7.5 °C)/rev.
 360 °CW
 Decrease $\ominus$ 360 °CCW



Danfoss
60-802.12

Note:

Remove lockplate before adjustment.

Replace lockplate after adjustment (if desired).