

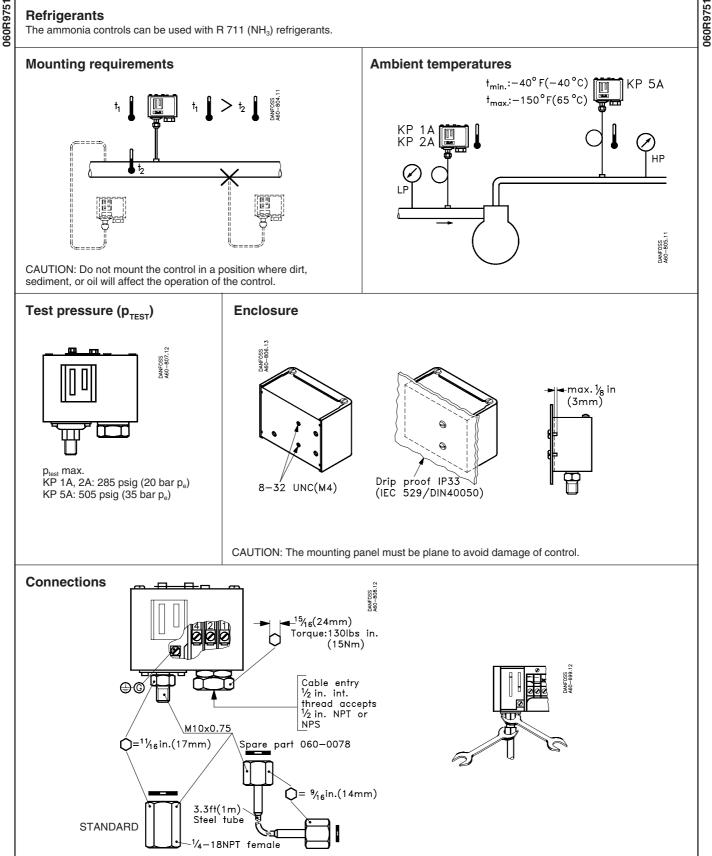
# **INSTRUCTIONS**

# KP 1A, KP 2A, KP 5A



## Refrigerants

The ammonia controls can be used with R 711 (NH<sub>3</sub>) refrigerants.



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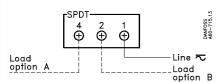
RI.05.6A.22 → RI.5A.L1.22 04-1999

### 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.

Terminal block



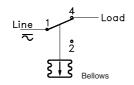
CAUTION: Use terminal screws furnished in the contact block. Use tightening torque 20 lb. in (2.3 Nm). Use copper wire only.

#### Contact load ratings

16 FLA, 96 LRA
8 FLA, 48 LRA
12 W pilot duty

#### Load Option A

CUT-OUT on pressure drop Wire terminals 1-4: CUT-IN = High Set Point (HSP) see "Setting" CUT-OUT = Low Set Point (LSP) see "Setting"



Terms 1-4 close on pressure rise Terms 1-4 open on pressure drop

Example:	CUT-IN	= 30 psig
	CUT-OUT	= 10 psig

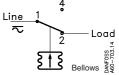
This means CUT-IN = HSP = 30 psig and CUT-OUT = LSP = 10 psig

#### Note:

 $\Box$  = Bellows movement on pressure rise  $\neg$  = Bellows movement on pressure drop The free terminal can be used for signal purpose.

#### Load Option B

CUT-OUT on pressure rise Wire terminals 1-2: CUT-IN = Low Set Point (LSP) see "Setting" CUT-OUT = High Set Point (HSP) see "Setting"



Terms 1-2 close on pressure drop Terms 1-2 open on pressure rise

Example:	CUT-IN CUT-OUT	= 250 psig = 350 psig

This means	CUT-IN	= LSP $=$ 250 psig
and	CUT-OUT	= HSP = 350 psig

### Manual tripping

(Electrical contacts/wiring test)

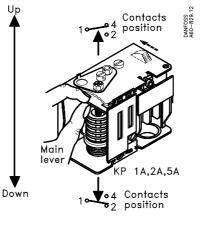
*TRIP (main lever)* use FINGERS ONLY! (Do NOT use screwdriver)

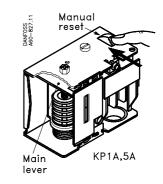
KP 1A and KP 5A w/man. reset:

Push manual reset knob during manual

Note:

tripping





To resume control operation after safety cutout, push reset knob as indicated.

#### Note:

Manual reset

KP 1A, man. reset is possible only after a pressure rise of 10 psi (0.7 bar). KP 5A, man. reset is possible only after a pressure drop of 43 psi (3.0 bar).

