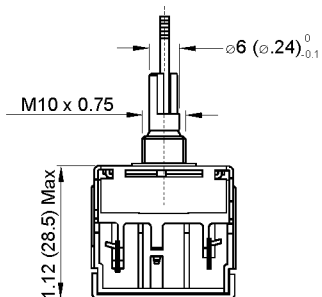
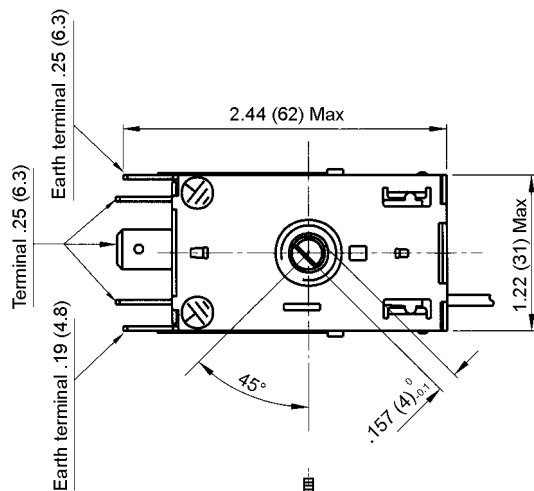
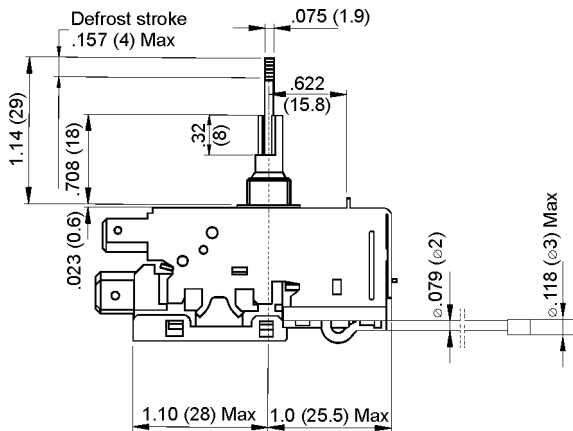
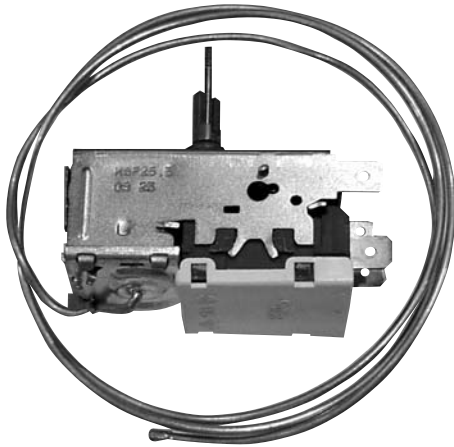


Cold Capillary Controls

KS Series - Temperature Control with S.P.S.T. Switch and Automatic Defrost



APPLICATIONS

- Automotive air conditioning
- Refrigerating/freezing devices

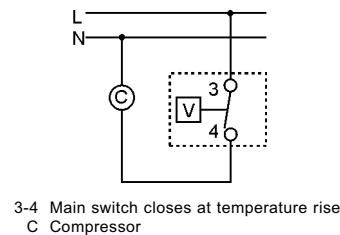
Closing with rising temperature and possibility to manually initiate a defrost function is achieved by pressing the defrost pin (stroke approximate .157 (4mm)) until latching. By doing this, the main switch is opened and locked until the defrost temperature is reached at the sensing point of the capillary which is normally fixed at the evaporator. After the defrost temperature has been reached, the pressure pin returns to its OFF position and the normal ON/OFF operation of the temperature control is reset. Defrost function can be initiated in any position of the dial shaft. If initiated in error, the defrost function can be cancelled by turning the dial shaft to the OFF position.

Terminal 3-4: Closes on temperature rise

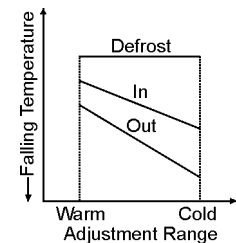
SPECIFICATIONS

Electrical ratings	250V, 6 Amps, 50Hz
Inductive load ratings	250V, 6FLA, 36LRA 120V, 10FLA, 40LRA
Temperature range	-40°F to 104°F (-40°C to 40°C)
Adjustment range	4 to 14K
Differential	4 to 14K
Defrost temperature	Possible between 2°C and 10°C Differential of defrost temperature to WARM-IN minimum 4K
Tolerance	2.7°F (1.5°C) at calibration point 3.6°F (2.0°C) at non-calibration point 4.5°F (2.5°C) at defrost
Contact resistance	<50m Ω
Insulation resistance	>100M Ω
Dielectric strength	AC 50/60Hz, 1500V/1 minute
Approvals	UL and C-UL Recognized VDE

Typical Electrical Wiring Diagram



Typical Function Chart



It is the customer's sole responsibility to specify and determine the suitability of a particular control or component based on their unique individual applications and requirements

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