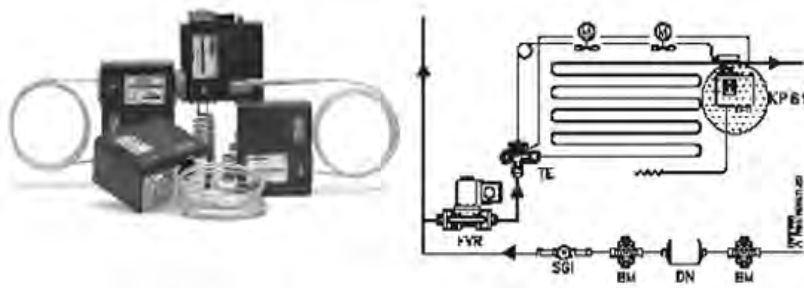


Refrigeration

DANFOSS REFRIGERATION THERMOSTATS, TYPE KPU

DT-TKPU



INTRODUCTION

KPU thermostats are temperature-controlled electrical switches, which are applied for regulation and safety monitoring of refrigeration and air conditioning systems. KPU sensors are available with vapor charge or with adsorption charge. Thermostats with adsorption charge are widely used to give frost protection, while vapor charged sensors are used where small differential is required. All KPU temperature controls have a single pole double throw (SPDT) contact system. The position of the switch depends on the thermostat setting and the bulb temperature.

FEATURES

- Wide temperature regulating range allows use in low, medium, and high temperature refrigeration application and air-conditioning systems
- SPDT switch allows NC or NO function option as well as alarm capability
- Automatic and manual reset versions available

Approvals

UL listed for USA and Canada, file E31024

TECHNICAL DATA

Ambient Temperature

-40 to 122°F, 175°F up to 2 hours.

Cable Entry

7/8" cable entry for 1/2" male pipe thread connection (conduit boss)

Maximum Wire Dimension

10 AWG

Enclosure

NEMA 1

Switch

SPDT - single pole double throw

Contact Load

Alternating current

FLA = 24 A @ 120 Vac 24 A @ 240 Vac

LRA = 144 A @ 120 Vac 144 A @ 240 Vac

Direct Current

12 W pilot duty @ 240 Vdc

Alternating Current (acc. to EN 60947)

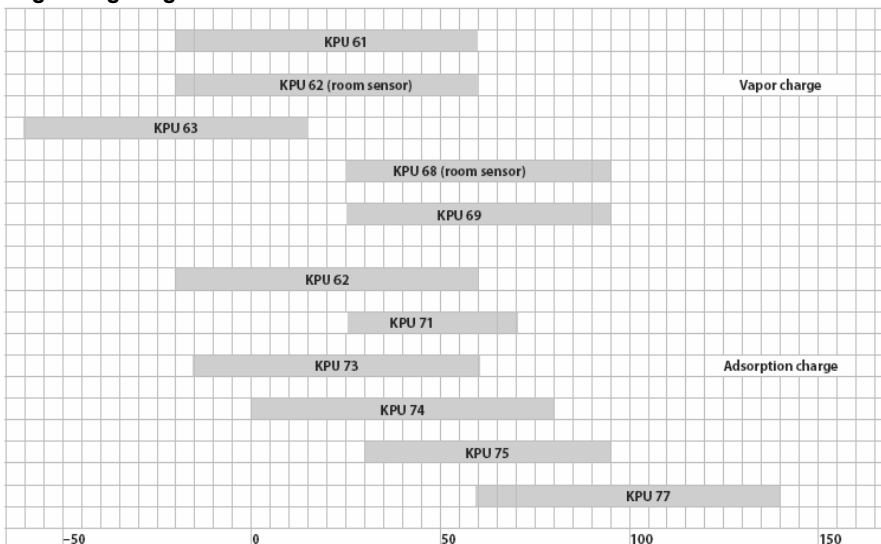
AC1: 16 A, 400 VA AC3: 16 A, 400 VA

AC15: 10 A, 400V

Direct Current

DC 13: 12 W, 220 V control current

Regulating ranges in °F



Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration