DIXELL™ UNIVERSAL R

UNIVERSAL-R

UNIVERSAL REFRIGERATION CONTROL

Product description:

The Dixell Universal R is a digital universal controller designed to replace over 150 models of refrigeration / heating controllers in 32 x 74 mm format.

Product features:

► Easy and quick installation

► Rapid set-up in 3 simple steps

► Dual voltage power supply 12Vac/dc and 230Vac

► Specific functions to control twin evaporator defrost

► Automatic probe detection

► Complete condenser management

► Hot Key or Prog Tool Kit connector for quick and easy programming

► 3VA max power absorption

► Display with red LED (10,5 mm high) and icons

► 7 pre-configured applications selectable from parameter

Dixell Universal R

Technical data

Designed to replace the majority of refrigeration industry standard 32 x 74 mm format controllers in their most typical applications, the Universal-R offers a convenient and versatile solution, fitting the same size cut out as the controllers it replaces and is suitable for both a 12v or a 230v supply.

Applications

The Universal-R has 3 operational relays and one configurable relay. It can work with 1, 2 or 3 probes and can be programmed to operate as any of the following types of controller simply by setting the required application in the "smart" parameter tC.

Parameter tC	Type of control	No. of probes
1	On / Off thermostat – Cooling	1
2	Thermostat with Off cycle defrost (timed)	1
3	Thermostat with Electric / Hot Gas defrost, time initiated / time terminated	1
4	Thermostat with Electric / Hot Gas defrost, time initiated / temp. terminated	2
5	Thermostat with Electric / Hot Gas defrost, time initiated / temp. terminated + evap. fan delay	2
6	Thermostat for Twin evaporator defrost applications (similar to setting 5 but with 2 evaporators)	3
7	On / Off thermostat – Heating	1

Features

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Front fascia: H: 32 x W: 74 x D: 70 mm
Cut out: H: 29 x W: 71 mm
Power supply: Dual 12 Vac/dc or 230 Vac supply +/-10% 50/60 Hz.

Other specifications

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Front Fascia water protected to IP65.
Control range maximum -50°c to +150°c dependant on probe(s) being used.
Display resolution to 0.1c;
Anti-tamper keypad protection.
Compressor short cycle protection.
Energy saving set point.
CE approval.
Ambient conditions 0°c to +50°c, humidity 20 to 85%RH.
Relay ratings 8(3)A/230V except fan 7(2)A/230V.

Wiring diagram