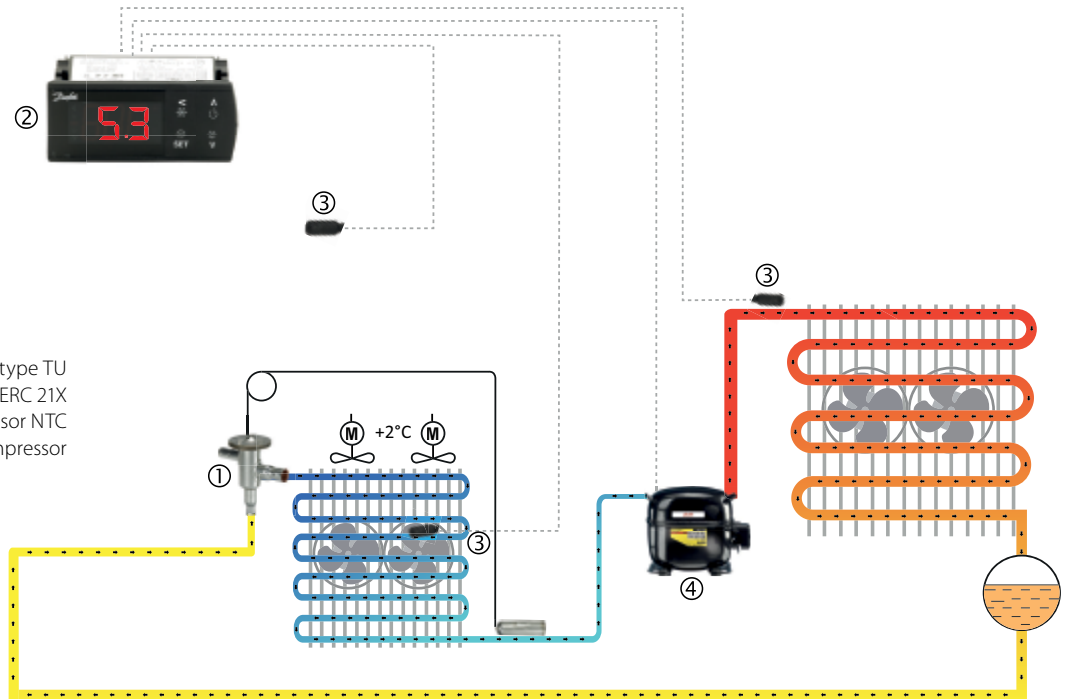


ERC 211 / ERC 213 / ERC 214, Refrigeration controllers

ERC 21X is a smart multipurpose refrigeration controller with temperature and defrost management.

The controller has been designed to fulfill today's requirements of advanced commercial Refrigeration applications.



1. Thermostatic expansion valve type TU
2. Temperature controller ERC 21X
3. Temperature sensor NTC
4. Compressor

Facts

Thermostat:

- ON / OFF thermostat
- Day / Night, continuous cycle, emergency mode
- Pre-installed applications
- Compatible with wide range of sensors (NTC 5 K and 10 K, Pt1000, PTC)

Defrost:

- Natural, electrical and hot gas defrost
- Defrost on demand
- Start via push button, DI input or time interval
- Stop on time, temperature or push button

Compressor:

- Voltage protection
- Anti-cycle timers for optimum compressor protection
- High-effect 16 A relays for connection of compressors

Evaporator Fan:

- Fan delay function
- Smart evaporator fan management for energy saving
- Fan stop at high evaporator temperature

Alarms:

- High and low temperature alarm
- Sensor failure alarm
- High and low voltage alarm
- Condenser cleaning alarm
- Door open alarm
- External alarm input

Multi-purpose DI input:

- Two multipurpose DI input for defrost start, Day / night control, main switch, reference displacement and continuous cycle control

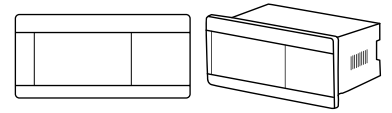
Display & programming:

- Bigger and High efficient LED Display
- Display temperatures in °C / °F
- Parameter settings/readouts and alarm conditions can be read on the display

Other functions:

- Zero cross switching in all relays
- Three levels password protection
- Door function with alarm monitoring
- Delay of outputs at power up
- Keypad lock and unlock feature
- Galvanic Isolation

Technical data and ordering



ERC 211 / ERC 213 / ERC 214

Refrigeration controllers

Type	Description	Code no.
ERC211	KIT - ERC 211,RED LED,230V. Supplied with 1 NTC10K Temp. Probe 1.5m	080G3263
ERC213	KIT - ERC 213,RED LED,230V. Supplied with 2 NTC10K Temp. Probe 1.5m	080G3265
ERC214	ERC 214,Controller, RED LED, 230V. Temp Probe ordered separately	080G3295

Spares:

Elastomer Cap - 080G4025

NTC 10K probe 3m - 084N3210

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