



REFRIGERATION – HVAC – BMS

## Newel 3 control and remote management solutions

for

## Supermarkets and food retail

## ALL IN ONE

### CONTROL AND REMOTE MANAGEMENT OF REFRIGERATION, HEATING, VENTILATION, AIR CONDITIONING AND LIGHTING

#### Refrigeration

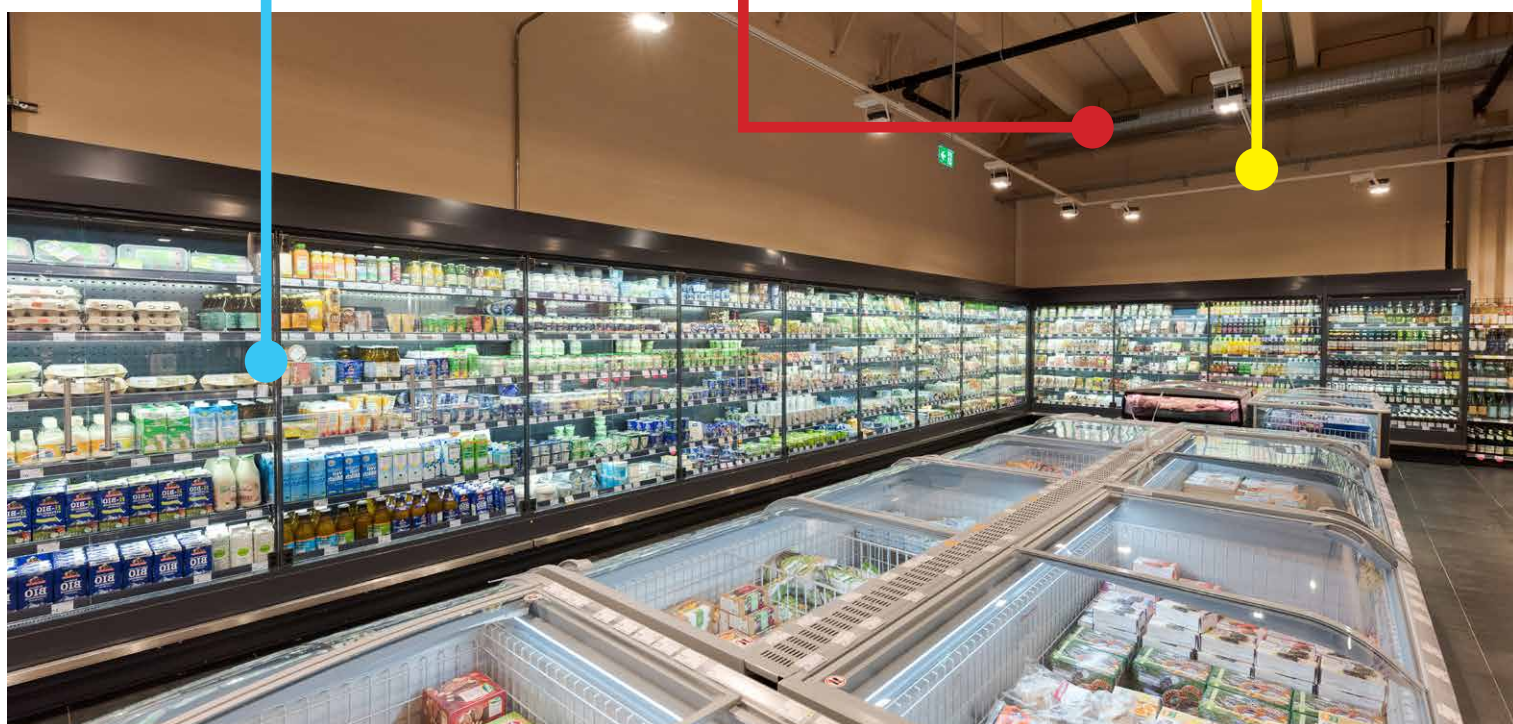
- Cooling units
- Compressors, condensers
- Transcritical CO2
- Hygrometry
- Programmable inputs / outputs
- Window heating cables

#### HVAC

- Heat pump
- Heat recovery
- Air conditioning - cooling / heating

#### Lighting

- Lighting areas management
- Light intensity management



## SIMPLIFIED OVERALL MANAGEMENT

Refrigeration, HVAC and lighting are managed from the same Teleswin monitoring software, which also allows remote management. The DC58 central unit allows the connection up to 600 controllers.

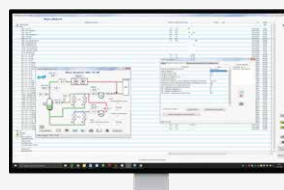
#### Control modules

#### Central unit

#### TelesWin

#### TelesWin mobile

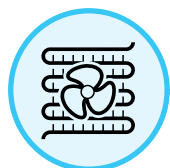
Newel 3 series



# DIGITEL'S DC24D/DE CONTROLLER

A UNIVERSAL MULTI-FUNCTION CONTROLLER SUITABLE FOR MANY APPLICATIONS

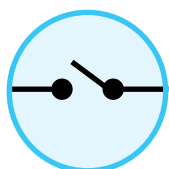
COOLING UNITS



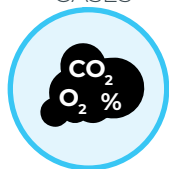
COMPRESSORS, CONDENSERS



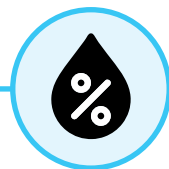
INPUTS AND OUTPUTS



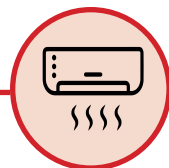
CONCENTRATION OF GASES



HYGROMETRY



AIR CONDITIONING



LIGHTING MANAGEMENT



## Your benefits

### Less inventory for troubleshooting

Universal controllers that can be adapted to different applications - your stock of spare parts is reduced.

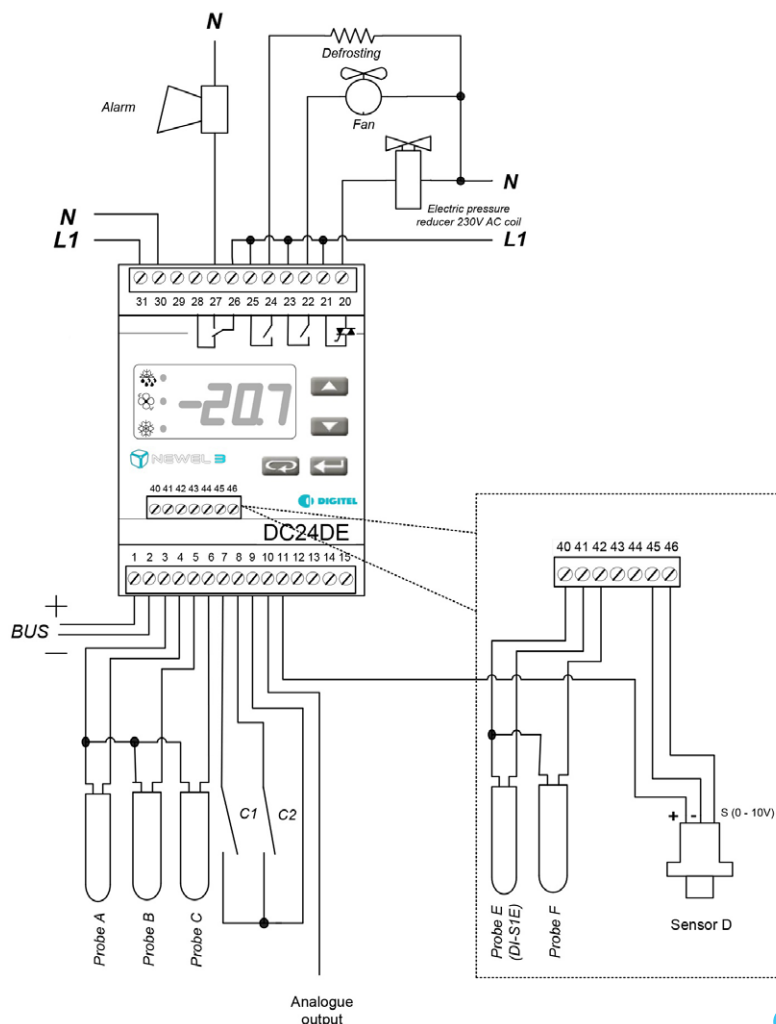
### Simplify your installations

The same controller can be installed independently of its final application. Each controller is then detected and its network parameters are automatically configured by the central unit (plug and play).

### Flexible and powerful controller

Five inputs for temperature sensors, two on/off inputs, one 0-10V input, as well as one 4-20mA input and two analogue outputs.

## DC24DE in cooling control mode



INPUTS

PT 1000	5
0-10 V	1
4-20 mA	1
Digital	2

OUTPUTS

Relay	3
Triac (24 – 230 VAC)	1
Analogue	2



## TELESWIN SOFTWARE

# SIMPLE AND EFFICIENT MONITORING AND MANAGEMENT OF REFRIGERATION INSTALLATIONS

A refrigeration installation equipped with the DC58 central unit can be monitored and managed by one or more PCs on site and/or remotely using the TelesWin supervision software. Connections between the PCs and the central unit are made via a direct cable, LAN or the internet.

Easy to use and offering intuitive graphical interfaces, TelesWin is highly appreciated by our customers and users.

1

Awarded by our customers for its user-friendliness and ease of use

2

Simple configuration of the controllers

3

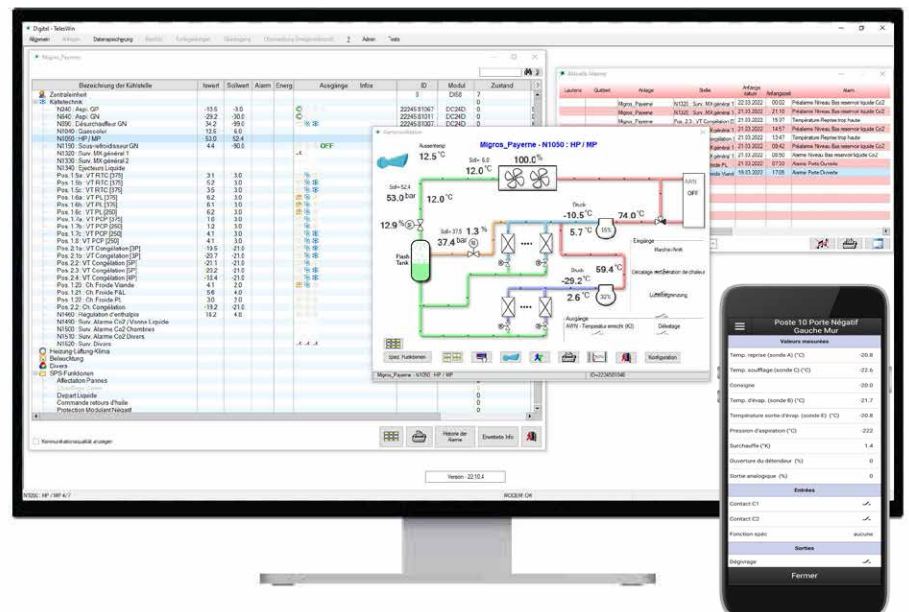
Clear overview of the installations

4

Data recording and traceability

5

Available in English, French, German and Polish



## SMART AND ECONOMICAL OPERATING MODES

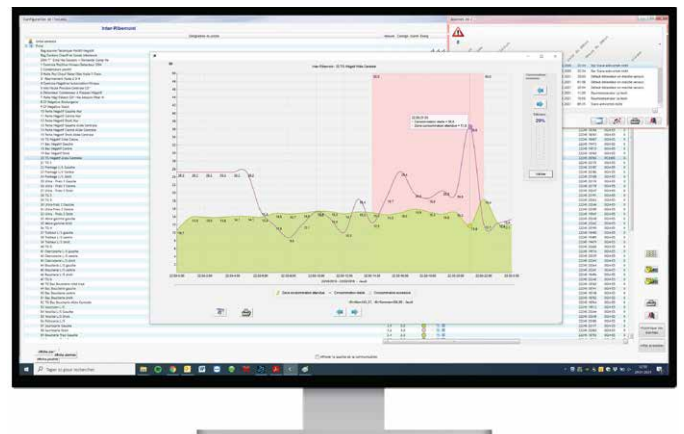
Digital offers a full range of intelligent tools to reduce the energy impact of facilities.

Today more than ever, it's essential to save energy in order to minimise the environmental impact.

For many years, Digital has been developing powerful energy-saving tools that not only ensure the cost-effective operation of a refrigeration plant but also accelerate its payback.

The monitoring of the cooling units with the new AI Energy tool, based on an artificial intelligence algorithm, makes it possible to detect excessive energy consumption individually on each cooling unit and to report it to the people in charge.

Setpoint shifts, shutdowns of unused units, enthalpy-based window heating, defrost optimization, heat recovery, the Interact function and lighting management are directly integrated into our system and constitute powerful energy saving tools.



## WE ASSIST YOU FROM THE DESIGN STAGE

AN INSTALLATION MANAGED AND CONTROLLED BY DIGITEL OFFERS MANY ADVANTAGES TO THE INSTALLER AND THE USER

### 1. DESIGN

#### COST REDUCTION

- Reduction of the number of controllers due to their versatile design
- Monitoring of CO<sub>2</sub> concentration with standard controllers

#### TIME SAVING

- Global facility management (refrigeration, HVAC, lighting, energy management)
- All-in-one service with design and manufacturing of electrical panels
- Customized program and function development
- Interoperability: third party products can be connected

### 2. SET-UP

#### TIME SAVING

- Automatic detection of controllers and automatic distribution of their addresses
- Copy of parameters from existing installations
- Automatic backup of the system configuration on an SD card

#### COST REDUCTION

- 100% virtual programmable logic controller (PLC) for optimal use of all inputs and outputs

### 3. MAINTENANCE

#### ENERGY SAVING

- Many energy optimization tools, such as AI Energy

#### MORE PRACTICAL

#### TIME SAVING

- Hotline service (free of charge)
- Less stock for troubleshooting thanks to universal controllers
- User-friendly software with clear presentation of the systems and automatic creation of recording graphs
- Controller replacement function
- Advanced management of grouped alarms



## TURNKEY SOLUTIONS FOR ENERGY OPTIMIZATION

Digitel provides complete solutions for energy maintenance, remotely managed and configurable on demand:

- Energy assessment and monitoring of the energy consumption of the refrigeration installation
- Analysis and processing of excess energy consumption (with AI Energy)
- Continuous optimization of control settings

Pioneer in the conception and commercialization of electronic regulation and remote management systems, Digitel SA has been active since 1989. Thanks to its network of distributors, Digitel has thousands of installations in service throughout Europe in the fields of food retailing, hotels, restaurants, industry and health (hospitals and pharmaceutical laboratories).

Digitel is a Swiss company, independent and family-owned.



#### **SIMPLE**

Digitel's control solutions are designed to simplify the life of the installer and the user, from the conception of the refrigeration installation to its supervision.



#### **RELIABLE**

30 years of expertise and thousands of installations in service. Digitel is a pioneer in the remote control and management of installations that require a high degree of performance and reliability.



#### **POWERFUL**

Digitel strives to constantly innovate by developing smart tools and features ahead of their time.



#### **FLEXIBLE**

As a specialist in intelligent control systems - and nothing else - we assist you in your projects and are able to carry out custom developments.

## **Digitel, for complete refrigeration control**



#### **About us**

Digitel provides high-end control solutions, monitoring and remote management solutions for installations requiring a high degree of performance: refrigeration, heat recovery, controlled atmosphere chamber, growth chamber or even special installations.

[www.digitel.swiss](http://www.digitel.swiss)

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