



IDNext 902, 961, 971, 974, 978

The next generation controller for cooling equipment

Product overview



IDNext

...complete, easy as EWPC,
flexible to replace almost
everything,
nice looking, innovative,
universal...

Which will be your definition?



SIX TOUCH KEYS

Six touch keys and five of them are configurable as

DEFROST - AUXILIARY - REDUCED SET
STAND-BY - FORCED COOLING - LIGHT

to adapt the user interface to any need



VERY LARGE DISPLAY

A very large **three digits + minus** display with the **decimal point** that can be enabled or disabled by parameter



By parameter it is possible to configure IDNext to display:

- The value of the **probe1 or 2 or 3 or the set point one**

and during **defrost**:











- The label **DEF**
- The **fix temperature** measured at the start of the defrost
- The **real time temperature** measured by the probe

IDNext: the front panel

Display



A complete set of **icons** gives you all the immediate info

- | | | | |
|---|-----------------|---|-------------------|
|  | Compressor |  | Energy saving |
|  | Defrost |  | Heating |
|  | Evaporator fans |  | Temperature |
|  | Light |  | VSC medium speed |
|  | Alarm |  | VSC maximum speed |
| AUX | Aux | | |



INTEGRATED GASKET

The integrated gasket guarantees an optimum sealing with the mounting panel and offers an outstanding frontal protection against dust and water



MULTI-TYPE PROBE

Probe input type is selectable by parameter to adapt the controller to **PTC**, **NTC**, **PT1000** sensors.

NTC	-50...110 °C
PTC	-55...140 °C
Pt1000	-55...150 °C



MULTI-TYPE PROBE

The compatibility with **PTC**, **NTC**, **PT1000** sensors makes the controllers **fully compatible** with most of the controllers in the market and the Eliwell previous models.



DIGITAL INPUT

The digital input can be configured by parameter to work as

DEFROST - REDUCED SET – AUX - DOOR SWITCH - EXTERNAL ALARM - STAND-BY PRESSURE SWITCH – DEEP COOLING - LIGHT - ENERGY SAVING MODE

or can be set as

ADDITIONAL ANALOGUE INPUT PROBE



BUZZER

The buzzer notifies an alarm condition and in this condition even the **alarm icon** is on.

The buzzer can be enabled/disabled by parameter.

FLAMMABLE GASSES

IDNext is suitable to be used in appliances equipped with **flammable refrigerants** as it is compliant with the standard IEC 60335-2-89 annex BB



VARIABLE SPEED COMPRESSORS

Specific models of IDNext has been designed to drive variable speed compressors.

The **autotuning function** makes the setting very easy.



IDNext: new additional defrost algorithm

Ready for new technologies

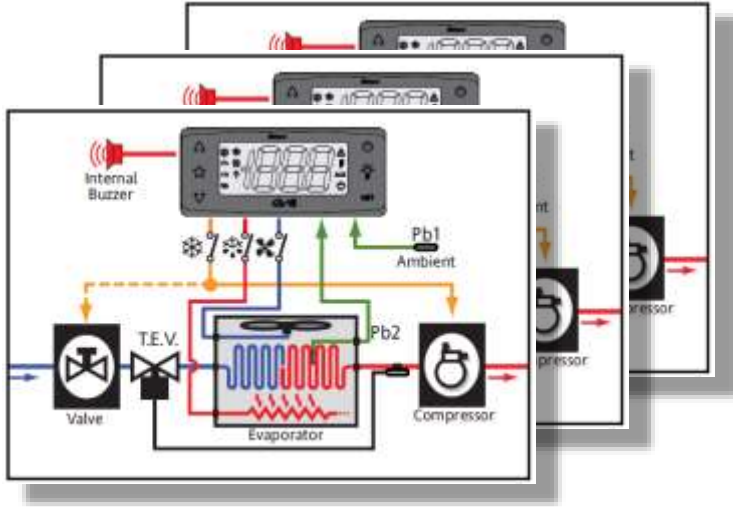


DEFROST

IDNext has a **new additional defrost algorithm** that improves defrost performance and it can retrofit existing coolers without the need of any hardware change.



PRE-SETS

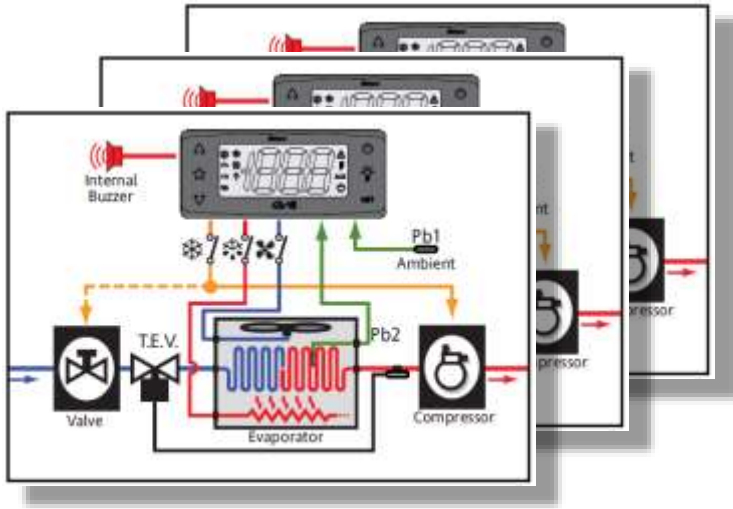


Just one parameter to change quickly the configuration.

Each controller has embedded **3 predefined applications** (pre-set of parameters) to offer a quick commissioning for the most common applications.

PRE-SETS

At any time is possible to restore **factory settings** by selecting the pre-set #1.

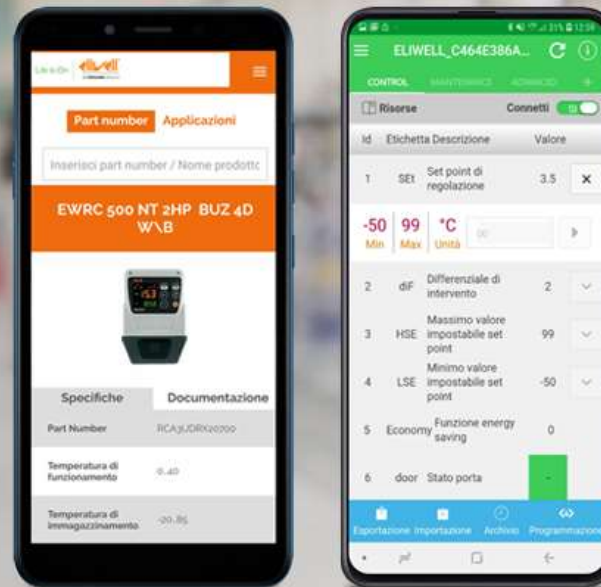


A new usage experience of the controller, directly from your smartphone

myEliwell & Eliwell AIR

myEliwell: easy real-time access to information on Eliwell refrigeration solutions
Eliwell AIR: the app for connected coolers

LEARN MORE >





USER MANUAL

The user manual is now always on line, accessible at anytime you will need it.

Use **myEliwell APP** to access directly to the manual.

IDNext: Digital User Manual

myEliwell APP



USER MANUAL



The myEliwell APP is fully compatible with all iOS and Android devices (tablet and smart phone), free download from the Google play and Apple App Store.



Android 5.1 or higher

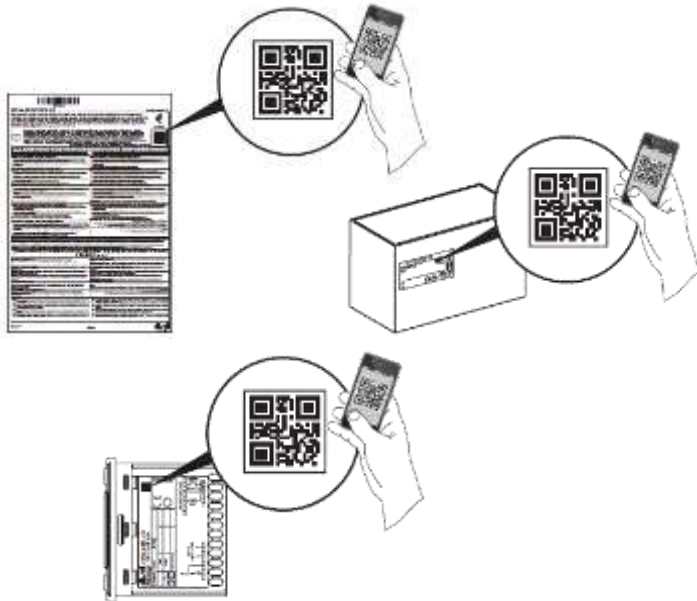


iOS 9 or higher



IDNext: complete digital user manual

The digital user manual



By using **myEliwell APP**, just scan the **QR code** printed on the safety instructions sheet or on the controllers' label or on the box' label of the product to access directly the user manual

IDNext: complete digital user manual

The digital user manual



The **IDNext** user manual automatically fits your device screen and it is organized in sections (compressor, defrost, fans...) for an easy and quick access to the part of your interest.

IDNext: the dongle bluetooth

The mobile phone and the APPs



BLUETOOTH

IDNext through the BT dongle allows an easy new interface of the controller via **mobile device**. The controller has to be connected to the accessory **Eliwell BTLE dongle**

IDNext: the dongle bluetooth

The mobile phone and the APPs

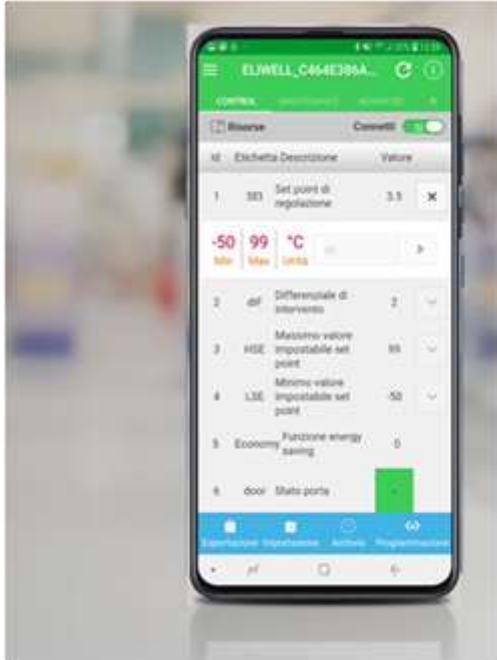


Eliwell BTLE dongle

The **Bluetooth Low Energy dongle** is an accessory to be plugged into the TTL port to enable the communication between the controller and one Android or iOS smart device with Eliwell AIR app installed.

IDNext: the dongle blue tooth

The mobile phone and the APPs



Eliwell AIR APP

The **Eliwell AIR APP** through the Eliwell BLTE dongle allows to use the **mobile device** to interact with the controller both for **monitoring** and **commissioning**.

ELIWELL AIR APP

The APP Eliwell Air is fully compatible with all iOS and Android devices (tablet and smartphone), free download from the Google play and Apple App Store.



Android 5.1 or higher

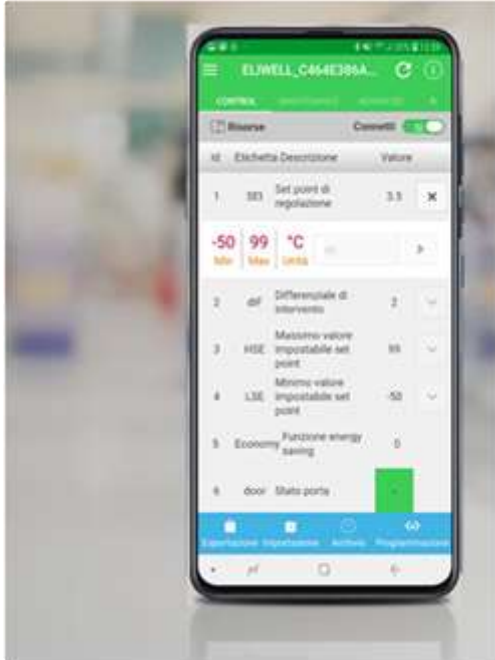


iOS 9 or higher



IDNext: the dongle blue tooth

The mobile phone and the APPs



Eliwell AIR APP

By using the APP it is possible to: verify the status of the controller, the value of operating variables, modify parameters values and send commands, download and upload the full map of the device and share it through any media installed in your device (for example via email or WhatsApp).

IDNext: Eliwell AIR APP

The mobile phone and the APPs



Eliwell AIR APP

View of the status of the controller

View the temperature measured by the probes, if the defrost is in progress and so on.

ELIWELL AIR APP

View of the status of the controller

- the temperature measured by the controller's sensors
- the status of the controller's outputs (compressor, evap. Fan, light etc...)
- the controller's functions (stand-by, defrost, etc...).



14.3



IDNext: Eliwell AIR APP

The mobile phone and the APPs



Eliwell AIR APP

Send a command to the controller

Switch on/off the lights of the cooler or put it in stand-by or start a manual defrost...

ELIWELL AIR APP

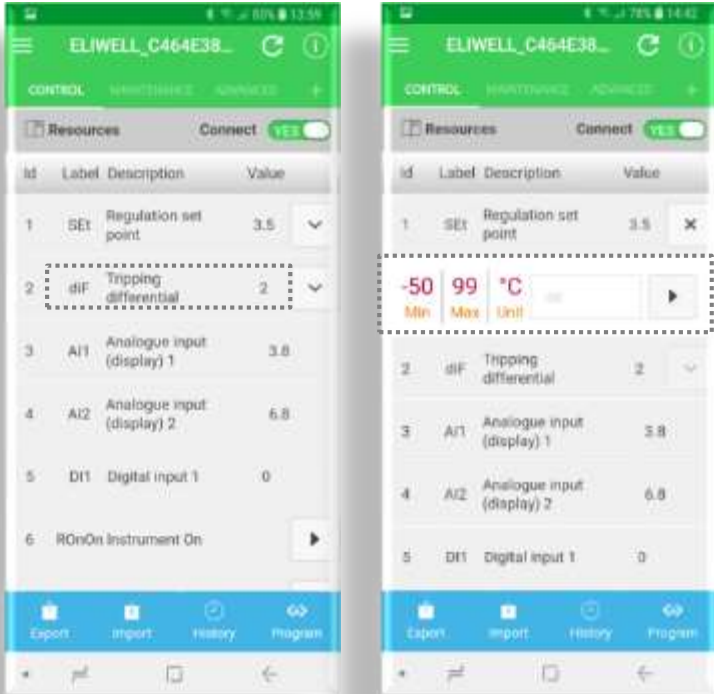
Send a command to the controller

- Stand-by
- Lights on/off
- Manual defrost
- Economy mode on/off
- Update clock
- Deep cooling activation



IDNext: Eliwell AIR APP

The mobile phone and the APPs



Eliwell AIR APP

Modify one parameter value

Select one parameter of the controller, view the range of possible values, modify the value

IDNext: the Bluetooth dongle and datalogging

The mobile phone and the APPs



DATALOGGING

IDNext, through the BTLE dongle, is ready for **datalogging**, offering data browsing, **graphs** and download via mobile device.

IDNext: the dongle blue tooth and datalogging

The mobile phone and the APPs



Eliwell BTLE memory

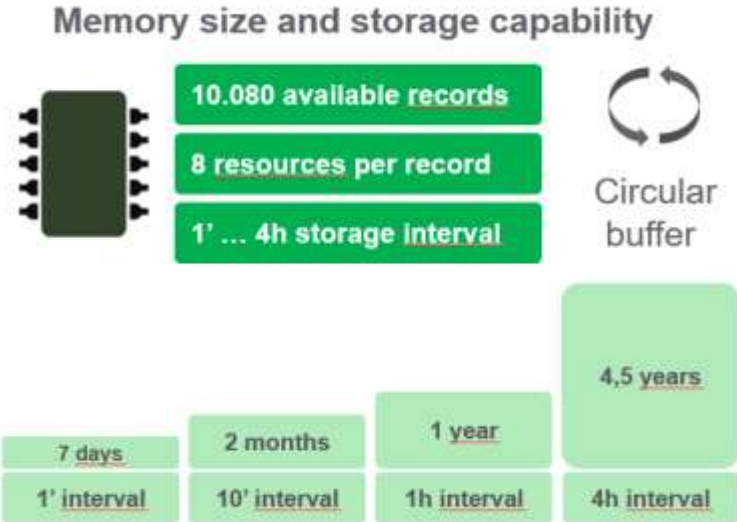
The Bluetooth Low Energy “Datalog” dongle is the version with internal memory to automatically storage **10080 records** from the controller.

ELIWELL BLTE



IDNext, through the BTLE dongle, is ready for **datalogging**, offering data browsing, **graphs** and download via mobile.

The **Bluetooth Low Energy “Datalog” dongle** is the version with internal memory to automatically store **10080 records** from the controller.





Eliwell Air APP

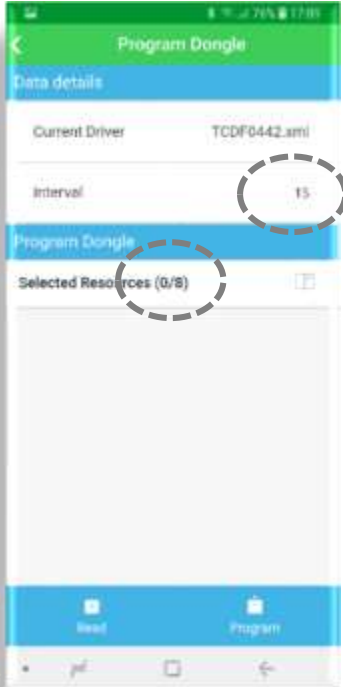
The APP of the mobile phone allows the interaction with the dongle to set recording intervals and download logged data.

IDNext: Eliwell AIR APP

The mobile phone and the APPs



Eliwell Air and
the datalogging
function in detail



Eliwell AIR APP

Data logging setting

Set logging interval from **1 to 240 minutes** and select up to **8 resources** (i.d. one temperature) you want to log.

IDNext: Eliwell AIR APP

The mobile phone and the APPs



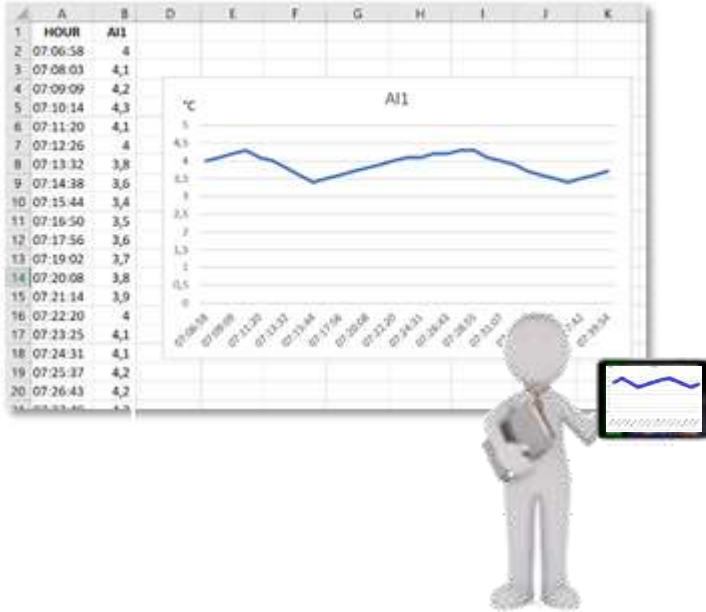
Eliwell AIR APP

Download, share & view data

Use the mobile phone to share the data by **email** or **WhatsApp** or view them on **graphs** directly on your smart device. A perfect tool even for remote support.

IDNext: Eliwell AIR APP

The mobile phone and the APPs



Eliwell AIR APP

View exported data

Beside the possibility to graphs the data on the smart device, to view the downloaded data in table or chart mode you can use **Excel** or an equivalent APP.



5 MODELS
13 part numbers

IDNext: summary of all the models

Models, part numbers, descriptions



PART NUMBER	DESCRIPTION
IDN902P6D103000	IDNext 902 P NTC/PTC/PT1000 10A 12Vac/dc
IDN902P6D107000	IDNext 902 P NTC/PTC/PT1000 10A 230Vac
IDN961P7D103000	IDNext 961 P NTC/PTC/PT1000 2Hp 12Vac/dc
IDN961P7D107000	IDNext 961 P NTC/PTC/PT1000 2Hp 230Vac
IDN971P9D303000	IDNext 971 P/B NTC/PTC/PT1000 2Hp/8A BUZ 12Vac/dc
IDN971P9D307000	IDNext 971 P/B NTC/PTC/PT1000 2Hp/8A BUZ 230Vac
IDN974PED303000	IDNext 974 P/B NTC/PTC/PT1000 2Hp/8A/5A BUZ 12Vac/dc
IDN974PED307000	IDNext 974 P/B NTC/PTC/PT1000 2Hp/8A/5A BUZ 230Vac
IDN974PED507000	IDNext 974 P/C NTC/PTC/PT1000 2Hp/8A/5A RTC 230Vac
IDN974PND527000	IDNext 974 P/CI NTC/PTC/PT1000 VSC/1,5Hp/8A RTC 230Vac
IDN978P4D307000	IDNext 978 P/B NTC/PTC/PT1000 1,5Hp/8A/5A/5A BUZ 230Vac
IDN978P4D507000	IDNext 978 P/C NTC/PTC/PT1000 1,5Hp/8A/5A/5A RTC 230Vac
IDN978P3D527000	IDNext 978 P/CI NTC/PTC/PT1000 VSC/1,5Hp/8A/5° RTC 230Vac

IDNext: the models

Model, part number, description, wiring diagram

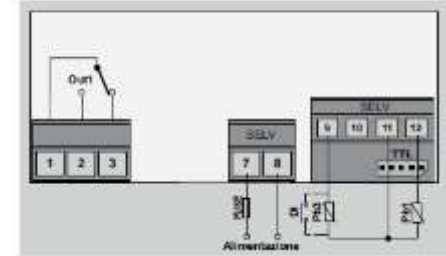


IDNext 902 P

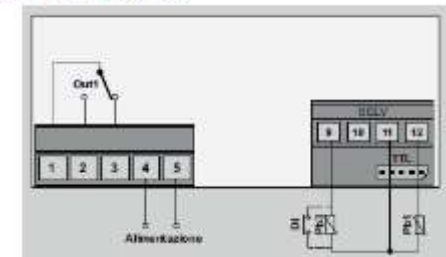
Single stage controller, heating/cooling operating mode selectable by parameter, suitable for heated applications and static cooling equipment at normal temperatures (above 0°C)

IDN902P6D103000	IDNext 902 P	NTC/PTC/PT1000	out:10A	12Vac/dc
IDN902P6D107000	IDNext 902 P	NTC/PTC/PT1000	out:10A	230Vac

IDNext 902 P (12 Vac/dc)



IDNext 902 P (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



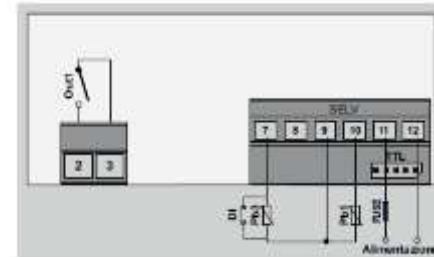
IDNext 961 P

Single stage controller, heating/cooling operating mode selectable by parameter, suitable for heated applications and static cooling equipment at normal temperatures (above 0°C)

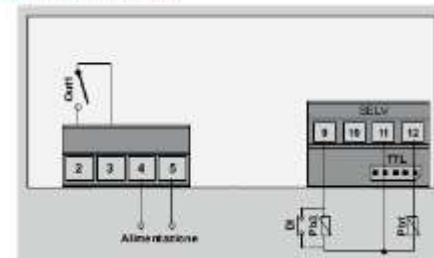
Large relay on board for the direct control of the compressor up to 2HP

IDN961P7D103000	IDNext 961 P	NTC/PTC/PT1000	out: 2Hp	12Vac/dc
IDN961P7D107000	IDNext 961 P	NTC/PTC/PT1000	out: 2Hp	230Vac

IDNext 961 P (12 Vac/dc)



IDNext 961 P (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



IDNext 971 P/B

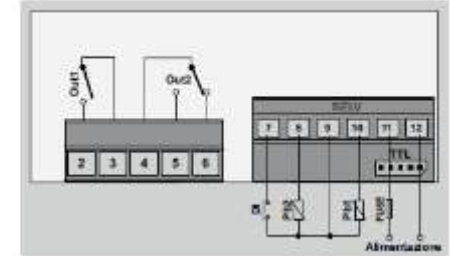
Controller suitable for static and ventilated cooling equipment at normal and low temperature.

Large relay on board for direct control of the compressor up to 2HP

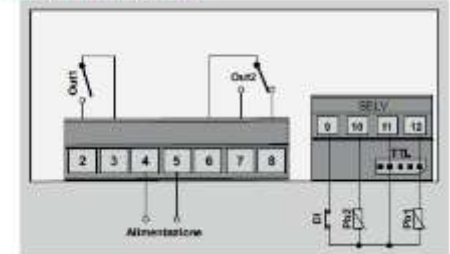
This model is equipped with buzzer.

IDN971P9D303000	IDNext 971 P/B	NTC/PTC/PT1000	2Hp/8	BUZ	12Vac/dc
IDN971P9D307000	IDNext 971 P/B	NTC/PTC/PT1000	2Hp/8	BUZ	230Vac

IDNext 971 P/B (12 Vac/dc)



IDNext 971 P/B (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



IDNext 974 P/B

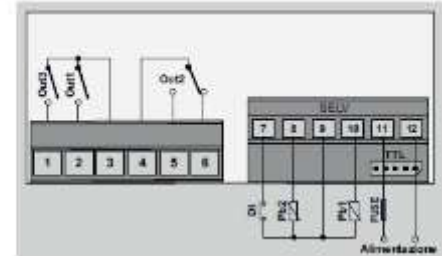
Controller suitable for static and ventilated cooling equipment at normal and low temperature.

Large relay on board for the direct control of the compressor up to 2HP

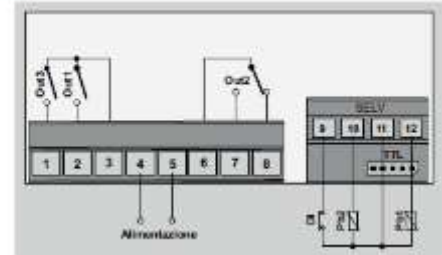
This model is equipped with buzzer.

IDN974PED303000	IDNext 974 P/B	NTC/PTC/PT1000	2Hp/8/5	BUZ	12Vac/dc
IDN974PED307000	IDNext 974 P/B	NTC/PTC/PT1000	2Hp/8/5	BUZ	230Vac

IDNext 974 P/B (12 Vac/dc)



IDNext 974 P/B (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



IDNext 974 P/C

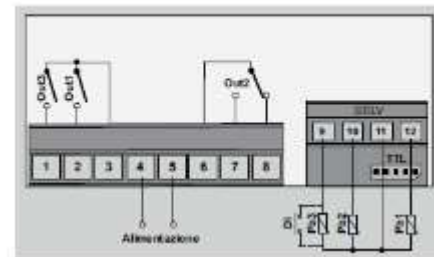
Controller suitable for static and ventilated cooling equipment at normal and low temperature.

Large relay on board for the direct control of the compressor up to 2HP

This specific model is equipped with the real time clock (RTC) for real time defrosts and scheduled task.

IDN974PED507000	IDNext 974 P/C	NTC/PTC/PT1000	2Hp/8/5	RTC	230Vac
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IDNext 974 P/C (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



IDNext 974 P/CI

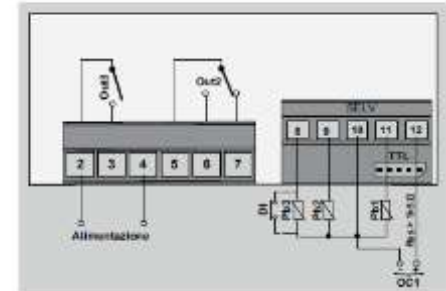
Controller suitable for static and ventilated cooling equipment at normal and low temperature.

This specific model is equipped with one open collector output to drive one variable speed compressor.

This specific model is equipped with the real time clock (RTC) for real time defrosts and scheduled task.

IDN974PND527000	IDNext 974 P/CI NTC/PTC/PT1000 VSC/1,5Hp/8 RTC 230Vac
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IDNext 974 P/CI (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



IDNext 978 P/B

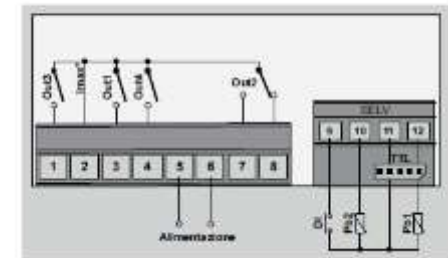
Controller suitable for static and ventilated cooling equipment at normal and low temperature such as monoblock units, cold rooms and supermarket cabinets.

The 4th relay output can be configured by parameter to switch the cold room light on/off; the control of the light output can be also combined to one touch key and/or to the door switch.

This model is equipped with buzzer.

IDN978P4D307000	IDNext 978 P/B	NTC/PTC/PT1000	1,5Hp/8/5/5	BUZ	230Vac
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IDNext 978 P/B (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram



IDNext 978 P/C

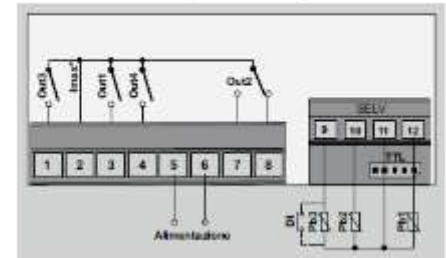
Controller suitable for static and ventilated cooling equipment at normal and low temperature such as monoblock units and cold rooms.

One of the relay output can be configured by parameter to switch the cold room light on/off; the control of the light output can be also combined to one touch key and/or to the door switch.

This specific model is equipped with the real time clock (RTC) for real time defrosts and scheduled task

IDN978P4D507000	IDNext 978 P/C	NTC/PTC/PT1000	1,5Hp/8/5/5	RTC	230Vac
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IDNext 978 P/C (230 Vac)



IDNext: the models

Model, part number, description, wiring diagram

IDNext 978 P/CI

Controller suitable for static and ventilated cooling equipment at normal and low temperature such as monoblock units and cold rooms.

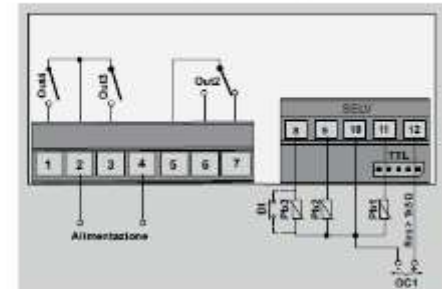
This specific model is equipped with one open collector output to drive one variable speed compressor.

One of the relay output can be configured by parameter to switch the cold room light on/off; the control of the light output can be also combined to one touch key and/or to the door switch.

This specific model is equipped with the real time clock (RTC) for real time defrosts and scheduled task

IDN978P3D527000	IDNext 978 P/CI NTC/PTC/PT100 VSC/1,5Hp/8/5 RTC 230Vac
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IDNext 978 P/CI (230 Vac)



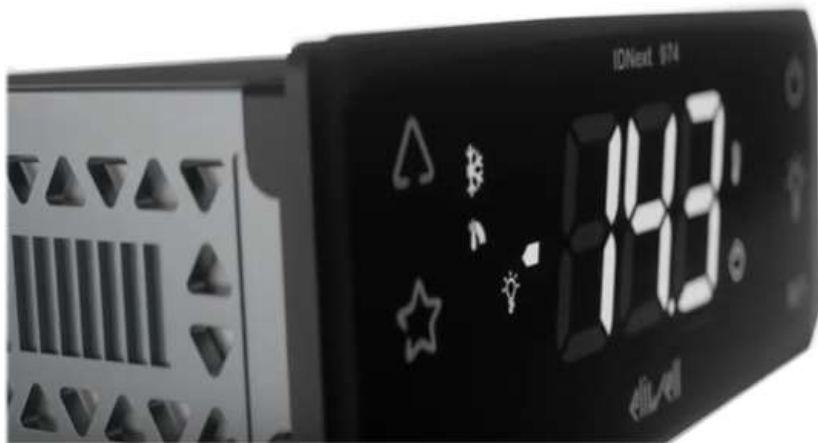


some more info

48-months warranty

We are so sure of the quality of our product, that we offer an extend warranty of 48 months

* relays excluded





IDNext is **Green Premium**, the Schneider Electric eco mark that certifies that the product is compliant to:

- RoHS directive and REACH regulation
- Product Environment Profile
- End of life instructions (EoLI)

For more informations visit:

eliwell.com/en/Support/Green-Premium.html



Product box

IDNext comes in a carton box with a new look.



eliwell.com/digital-academy

Life Is On

Schneider
Electric