

EWDR 981

The EWDR981 controller has two analogue inputs for NTC temperature probes (parameter selectable PTC) and one voltage-free digital relay output for the compressor.

The controller also has a 12V-20mA output to manage additional loads like alarms.

The defrost cycle is managed by the compressor stop.

The two analog inputs are used for temperature control and display purposes.

The value read by the probe is displayed with three digits plus the minus sign.

Reading with a decimal point is parameter-programmable. The buzzer is optional.

All versions have a TTL connection to allow the use of the Copy Card quick programming accessory.

All models have two voltage-free programmable digital inputs.

The power supply is 230V~.

EWDR 983 - EWDR 983/C, /CS LX

The EWDR 983 controller has three analogue inputs for NTC temperature probes (parameter selectable PTC) and two voltage-free digital relay outputs for the compressor and defrost.

The controller also has a 12V-20mA output to manage additional loads like alarms.

The defrost cycle may be time-terminated or terminated by the special probe on the evaporator when the end cycle temperature is reached.

The three analog inputs are used for temperature control, defrost and display purposes (or for the defrost of the second evaporator).

The value read by the probe is displayed with three digits plus the minus sign.

Reading with a decimal point is parameter-programmable. The buzzer is optional.

All versions have a TTL connection to allow the use of the Copy Card quick programming accessory.

/C /CS models also have:

- An internal clock (RTC) for the management of defrost operations (on /C /CS models only)
- An optoisolated RS 485 internal connector for the connection to Televis**System** (for /CS models only)

All models have two voltage-free programmable digital inputs.

The power supply is 230V~.

EWDR 984

The EWDR 984 controller has three analogue inputs for NTC temperature probes (parameter selectable PTC) and three voltage-free digital relay outputs to control the compressor, defrost cycle and the evaporator fans.

The controller also has a 12V-20mA output to manage additional loads like alarms.

The defrost cycle may be time-terminated or terminated by the special probe on the evaporator when the end cycle temperature is reached.

The three analog inputs are used for temperature control, defrost and display purposes (or for the defrost of the second evaporator).

The value read by the probe is displayed with three digits plus the minus sign.

Reading with a decimal point is parameter-programmable. The buzzer is optional.

All versions have a TTL connection to allow the use of the Copy Card quick programming accessory.

All models have two voltage-free programmable digital inputs.

The power supply is 230V~.

EWDR 985 - EWDR 985/CS LX

The EWDR 985 controller has three analogue inputs for NTC temperature probes (parameter selectable PTC) and four voltage-free digital relay outputs to control the compressor, defrost cycle, lights and fans of the evaporator, or one auxiliary ON-OFF light output.

The controller also has a 12V-20mA output to manage additional loads like alarms.

The three analog inputs are used for temperature control, defrost and display purposes (or for the defrost of the second evaporator).

The defrost cycle may be time-terminated or terminated by the special probe on the evaporator when the end cycle temperature is reached.

The value read by the probe is displayed with three digits plus the minus sign.

Reading with a decimal point is parameter-programmable. The buzzer is optional.

All versions have a TTL connection to allow the use of the Copy Card quick programming accessory.

/CS LX models also have:

- An internal clock (RTC) for the management of defrost operations
- An optoisolated RS 485 internal connector for the connection to Televis**System**

All models have two voltage-free programmable digital inputs.

The power supply is 230V~.

EWDR 985/CS LX Fan Condenser

The EWDR 985 controller has three analogue inputs for NTC temperature probes (parameter selectable PTC) and four voltage-free digital relay outputs to control the compressor, defrost cycle, lights and fans of the evaporator and condenser, or one auxiliary ON-OFF light output.

The controller also has a 12V-20mA output to manage additional loads like alarms.

The three analog inputs are used for temperature control, defrost and display purposes (or for the defrost of the second evaporator).

The defrost cycle may be time-terminated or terminated by the special probe on the evaporator when the end cycle temperature is reached.

The value read by the probe is displayed with three digits plus the minus sign.

Reading with a decimal point is parameter-programmable. The buzzer is optional.

All versions have a TTL connection to allow the use of the Copy Card quick programming accessory.

All versions also have:

- A dedicated parameter for the management of fans
- An optoisolated internal RS 485 connection
- A specific connector for the connection to Televis**System**

All models have two voltage-free programmable digital inputs.

The power supply is 230V~.

EWDR 981

TERMINALS	
1-2	Probe input 1
1-4	Probe input 2
5-6	Digital input 1
5-7	Digital input 2
8-9	* Alarm output
13-14	Power supply 230V~
19-22	* N.C. compressor relay
20-21	* N.O. compressor relay

A	TTL input for Copy Card
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* Parameter-configurable

COMPATIBILITY AND REPLACEMENT:
EWDR 961

EWDR 983 - EWDR 983/C, /CS LX

TERMINALS	
1-2	Probe input 1
1-3	Probe input 2
1-4	Probe input 3
5-6	Digital input 1
5-7	Digital input 2
8-9	* Alarm output
10-12	RS485 network
13-14	Power supply 230V~
17-18	* N.O. defrost relay
17-19	* N.C. defrost relay
20-21	* N.O. compressor relay
22-23	* N.C. compressor relay
A	TTL input for Copy Card

* Parameter-configurable

COMPATIBILITY AND REPLACEMENT:
EWDR 983
EWDR 961/AR • EWDR 970 •
EWPX 971

EWDR 983/C
EWDR 961/AR/C

EWDR 983LX
EWDR 961/AR/C/S •EWDR 961/S

EWDR 984

TERMINALS	
1-2	Probe input 1
1-3	Probe input 2
1-4	Probe input 3
5-6	Digital input 1
5-7	Digital input 2
8-9	* Alarm output
13-14	Power supply 230V~
15-16	* N.O. evaporator fan relay
17-19	* N.C. compressor relay
18-19	* N.O. compressor relay
20-22	* N.O. defrost relay
A	TTL input for Copy Card

* Parameter-configurable

COMPATIBILITY AND REPLACEMENT:
EWDR 974

EWDR 985 - EWDR 985/CS LX

1-2	Probe input 1
1-3	Probe input 2
1-4	Probe input 3
5-6	Digital input 1
5-7	Digital input 2
8-9*	Auxiliary output
13-14	Power supply 230V~
15-16	* N.O. compressor relay output
17-19	* N.C. defrost relay output
17-18	* N.O. defrost relay output
20-22	* N.O. light relay output
23-24	* N.O. evap. fan relay output
10-12	RS485 network
A	TTL input for Copy Card

* Parameter-configurable

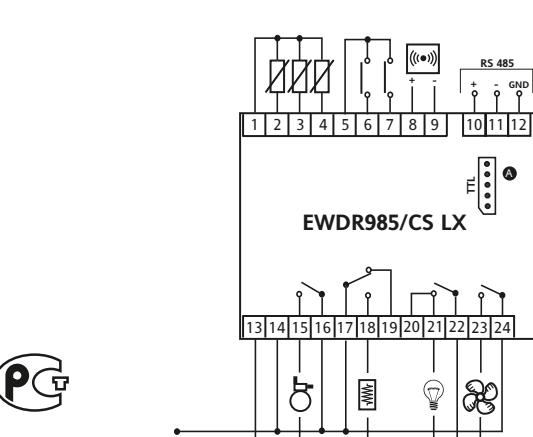
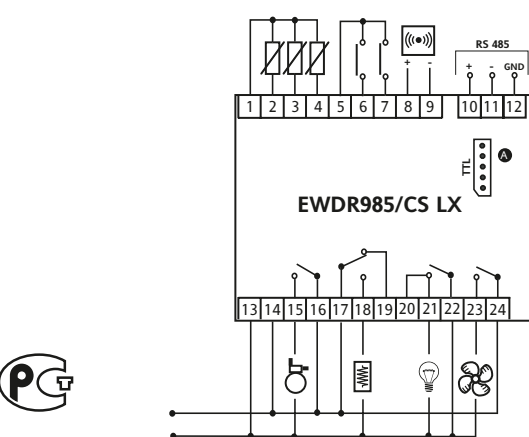
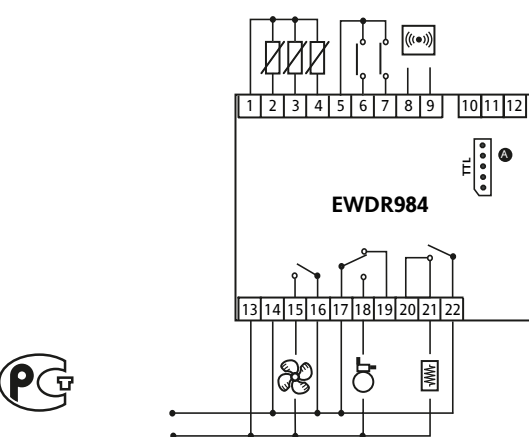
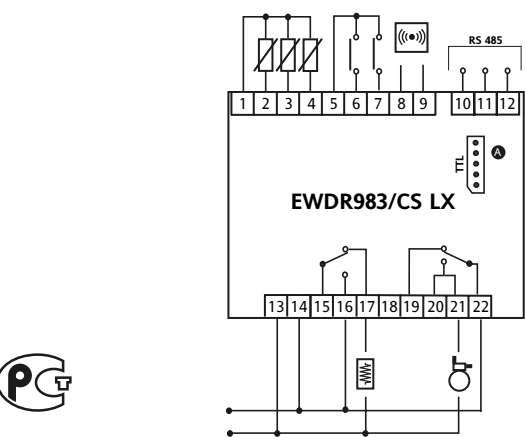
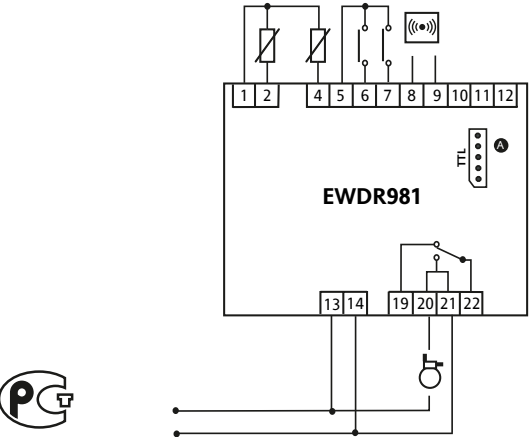
COMPATIBILITY AND REPLACEMENT:
EWDR 985
EWDR 974/AR

EWDR 985LX
EWDR 973/S

EWDR 985/CS LX Fan Condenser

1-2	Probe input
11-3	Probe input 2
1-4	Probe input 3
5-6	Digital input 1
5-7	Digital input 2
8-9*	Auxiliary output
13-14	Power supply 230V~
15-16	* N.O. compressor relay output
17-19	* N.C. defrost relay output
17-18	* N.O. defrost relay output
20-22	* N.O. light relay output
23-24	* N.O. evap. fan relay output
10-12	RS485 network
A	TTL input for Copy Card

* Parameter-configurable

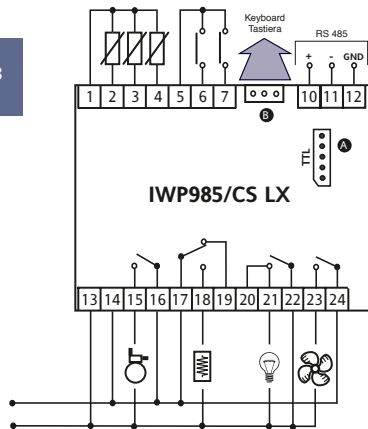
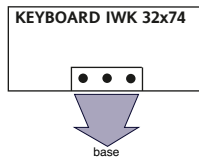


EWDR Series

- Direct 230V power supply ~
- Up to 3 parameter-selectable Ntc/Ptc probes.
- Up to 4 relay outputs.
- 12V analogue output = AUX on all versions.
- Up to 12 programmable digital inputs.
- Parameter programming via menu.
- Parameter-selectable decimal point on all models.
- Internal optoisolated RS485 converter (for LX models only).
- RTC clock for weekly calendar (for /C models).
- HACCP alarm recording.
- Copy Card.

- Some models are also able to manage and store alarms, in compliance with the requirements of HACCP standards.

IWP985 LX



Devices may have up to three inputs for each NTC temperature probe (parameter selectable PTC), two programmable digital inputs and five outputs, i.e. four relay outputs and one 12V-20mA for the enabling of an external relay.

Outputs can be configured as follows:

Compressor, defrost, evaporator fans, condensator fans (for the Fan Condenser model), light control, auxiliary output and alarm.

The power of the compressor relay (in standard configuration) is 15A 1 hp for all models.

All controllers have a serial RS-485 communication port for Televis**System** supervision networks or for networks using the ModBUS protocol.

The “Copy Card” accessory enables to quickly program devices through the TTL port.

[illegible]

D	Standard
X	Available
S	Selectable
-	Not available
•	Size

For more information, please contact:

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