

# PRIME CH & WING LH

Refrigeration Controllers



**Dixell™**

  
**EMERSON™**  
Climate Technologies

# PRIME CH & WING LH

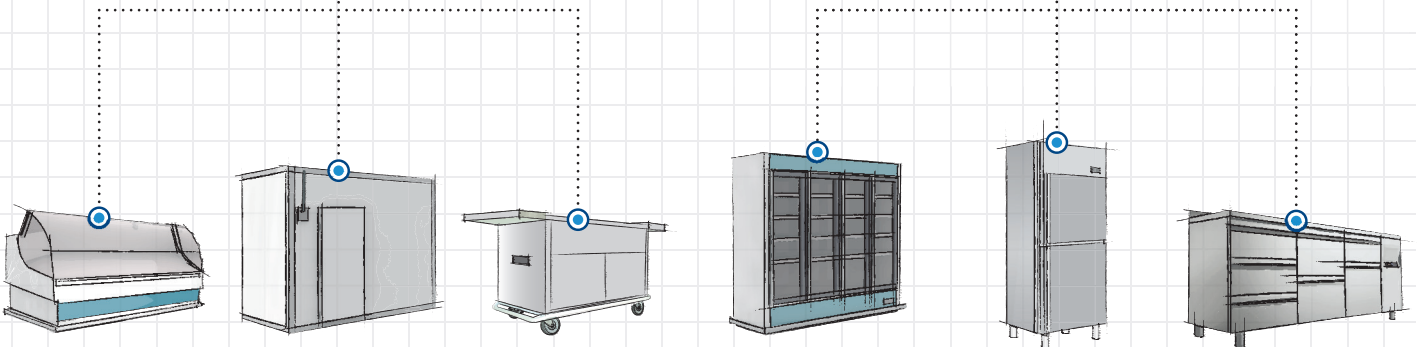


## REFRIGERATION CONTROLLERS

PRIME CH & WING LH Series are the innovative & aesthetical solution controllers designed for commercial refrigeration, food service, and catering applications that guarantee high usability and quality food storage. When the aesthetic appeal becomes fundamental, these controllers are particularly appreciated for their sleek design and elegant style.



- Ice Cream Freezers
- Pastry Refrigerators
- Cold Rooms
- Warming Cabinets
- Refrigerated Cabinets
- Wine Cellars
- Showcases
- Refrigerated Counters





# INNOVATIVE and INTUITIVE APPROACH to CONTROL

- ⦿ User friendly interface
- ⦿ Direct access to main functions
- ⦿ Easy and intuitive installation
- ⦿ Specific functions for pastry cases (dual humidity)
- ⦿ Regulation based on the average of two temperatures
- ⦿ Hot key or Prog Tool Kit connector for quick and easy programming
- ⦿ Serial connection to monitoring systems

## FOOD QUALITY

The accurate temperature regulation, the display of events and the alarm management assure the best quality of fresh and frozen food.



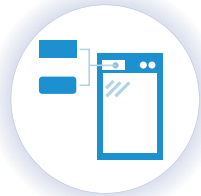
## PROTECTION & HYGIENE GUARANTEED

The flat surface is easy to clean for much better hygiene. The IP65 high level of front protection is guaranteed.



## CONTINUITY for CUSTOMERS

Electrical compatibility with the previous PRIME CX and WING L series: no changes are required for connections, cut out and dimensions are the same.



## INTEGRATED FUNCTIONS for ENERGY SAVING

The controllers have integrated functions for energy savings, such as the optimization of fan management.



## ENVIRONMENTALLY FRIENDLY

We firmly believe in the respect and safeguard of the environment and respond to use of gas requests with the lowest environmental impact, such as Propane. Controllers mount relays suitable for ATEX applications as they have been tested following EN60079-15.



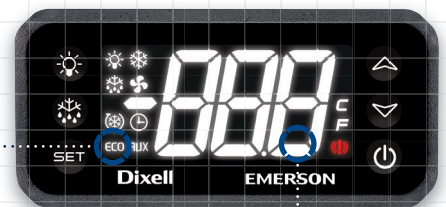
## BETTER VISIBILITY and AESTHETICAL SOLUTIONS

A look that stands out for its elegance and sophisticated detail, a variety of color displays give the controllers an unmatched aesthetic appeal. Controllers have a wider display with integrated icons for displaying data in real time and provide measurement units for clear and continuous monitoring.

Dedicated icon for energy saving status information

**ECO**

Larger display for improved visibility



Display available in multiple colors: red (standard), white, or blue.



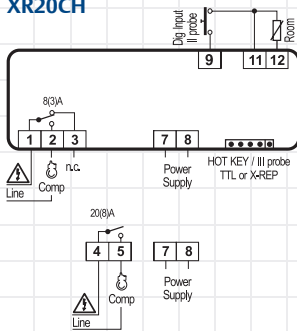


## FEATURES

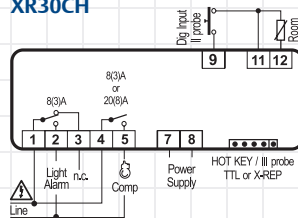
	STATIC APPLICATIONS			VENTILATED APPLICATIONS					
	XR20CH	XR30CH	XR35CH	XR60CH		XR70CH		XR75CH	XR77CH
<b>Keyboard: push buttons</b>	6	6	6	6	6	6	6	6	6
<b>Power supply</b>	12, 24Vac/dc 110, 230Vac	12, 24Vac/dc 110, 230Vac	110, 230Vac	12, 24Vac/dc 110, 230Vac	110, 230Vac	110, 230Vac	12Vac/dc	110, 230Vac	12, 24Vac/dc 110, 230Vac
<b>Probe inputs</b>									
Thermostat	NTC, PTC	NTC, PTC	NTC, Pt1000	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, Pt1000	NTC, Pt1000
Defrost			NTC, Pt1000	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, Pt1000	NTC, Pt1000
Condenser	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, Pt1000	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, Pt1000	NTC, Pt1000
<b>Digital inputs</b>									
Alarm, start defrost, door switch, pressure switch, energy saving, ON/OFF, probe	config	config	2 x config	config	config	config	config	2 x config	2 x config
<b>Relay outputs</b>									
Compressor	8A, 20A	8A, 20A	8A, 16A	8A, 16A	20A	8A, 16A	16A	8A, 16A	8A, 12A
Defrost				8A	8A	8A	16A	8A	12A
Fans				8A	5A	5A	16A	5A	5A
Light, alarms		8A	8A			8A	16A	8A	7A
<b>Other</b>									
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres	pres	pres	pres	pres
Remote display output	opt	opt	pres	opt	opt	opt	opt	pres	pres
Serial output	TTL	TTL	RS485	TTL	TTL	TTL	TTL	RS485	RS485
Buzzer	opt	opt	opt	opt	opt	opt	opt	opt	opt
Real time clock		opt	opt			opt	opt	opt	opt

## WIRINGS

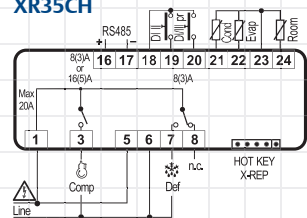
XR20CH



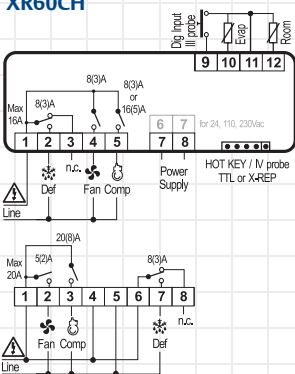
XR30CH



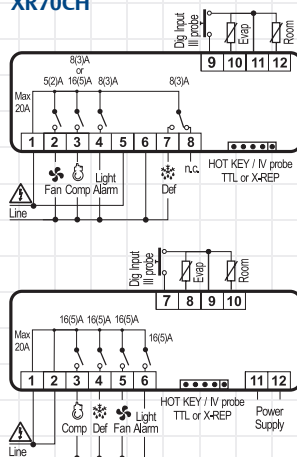
XR35CH



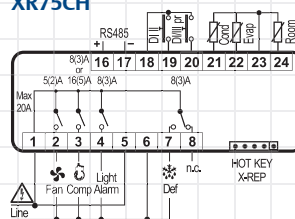
XR60CH



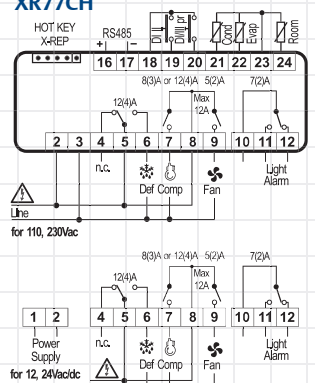
XR70CH



XR75CH



XR77CH





# WING LH (compact version)



## FEATURES

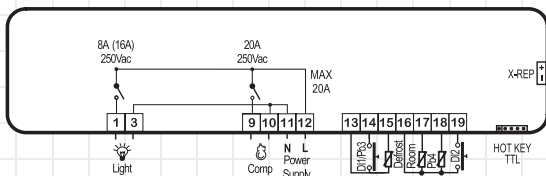
### STATIC APPLICATIONS

### VENTILATED APPLICATIONS

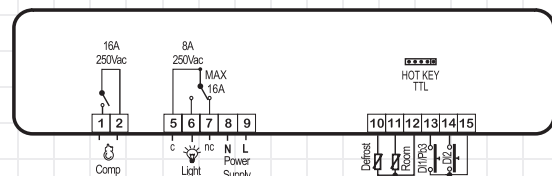
	XW20LH	XW20LRH	XW60LH	XW60LRH	XW90LH
<b>Keyboard: push buttons</b>	6	6	6	6	8
<b>Power supply</b>	110, 230Vac	110, 230Vac	110, 230Vac	110, 230Vac	110, 230Vac
<b>Probe inputs</b>					
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Condenser	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Display	NTC, PTC		NTC, PTC		NTC, PTC
<b>Digital inputs</b>					
Alarm, start defrost, door switch, pressure switch, energy saving, ON/OFF	2 x config	2 x config	2 x config	2 x config	2 x config
<b>Relay outputs</b>					
Compressor	20A	20A	20A	20A	20A
Defrost			8A	8A	16A
Fans			8A	5A	8A
Light	8A, 16A	8A	8A, 16A	5A	8A, 16A
Alarm, AUX					8A
RL 6 configurable					8A
<b>Other</b>					
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres
Remote display output	opt	opt	opt		opt
Serial output	TTL	TTL	TTL	TTL	TTL
Buzzer	opt	opt	opt	opt	opt
Real time clock	opt	opt	opt	opt	opt

## WIRINGS

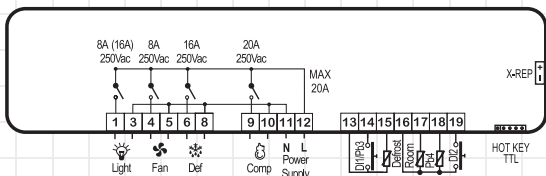
**XW20LH**



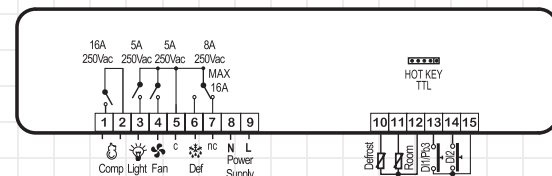
**XW20LRH**



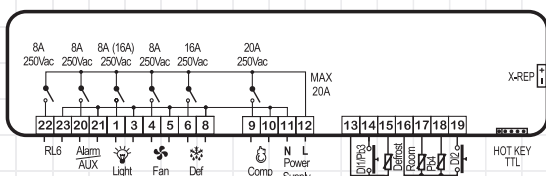
**XW60LH**



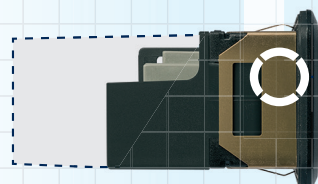
**XW60LRH**



**XW90LH**



**ONLY 40mm (LRH)**



New fixing bracket for quick and easy standard installation of the WING controllers.

## WING LH (keyboard)

Also the WING K series (split version) is available in the LH version by using the new T620H keyboard.

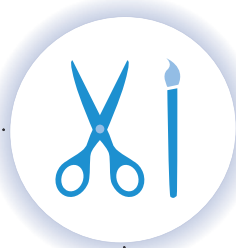
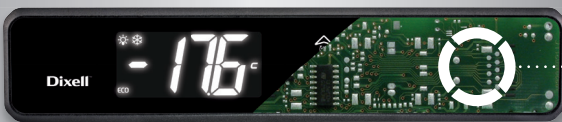


30m



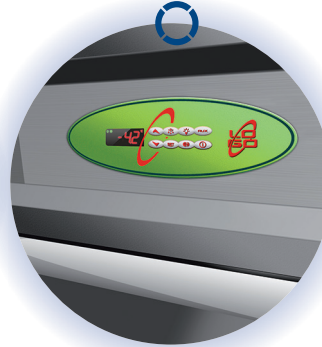
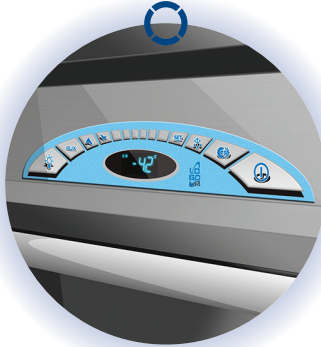
- XW20K
- XW40K
- XW60K
- XW70K

## WING LH (back panel with membrane keyboard)



### BRAND VISIBILITY & HIGH CUSTOMIZATION LEVEL

Thanks to its superior versatility, the WING LH is available in a back-panel version that allows the user to have an extensive level of customization ability. Shape, colors, and dimensions can be customized depending on the brand or application.

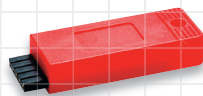


## ACCESSORIES



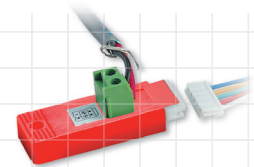
### CXLS & HLS

White, red, green, or yellow light switch (CXLS) 16A/250Vac with black frame adapter (HLS).



### HOT KEY

Easy programmable device; it allows instruments to be programmed in a fast and simple way.

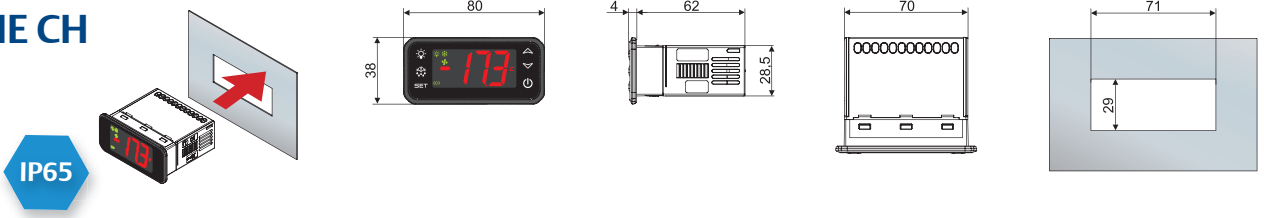


### XJ485CX

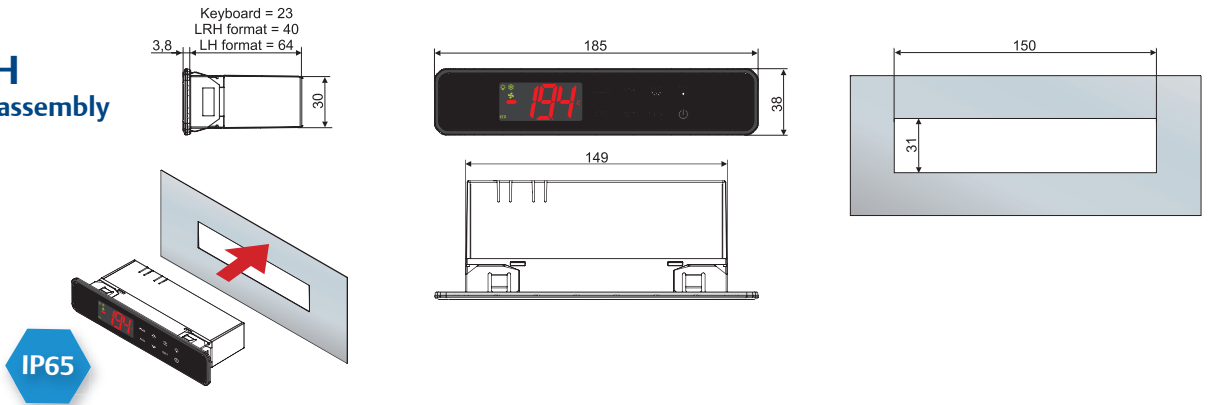
The serial interface converts the TTL output into an RS485 signal that can be used to connect the controller to the XWEB systems.

# DIMENSIONS & CUT-OUT

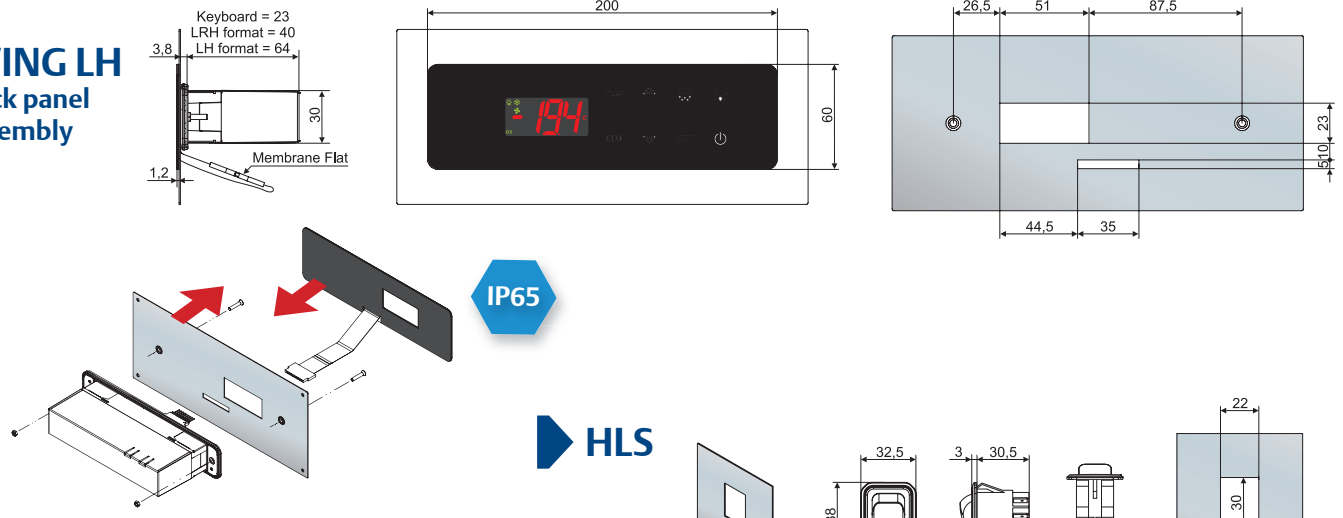
## PRIME CH



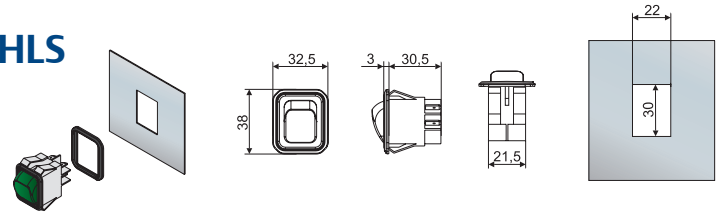
## WING LH front panel assembly



## WING LH back panel assembly



## HLS

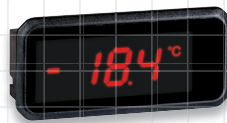


size in mm



### MDP/CX

Plastic anti-condensing protection cover for terminal block of CH controllers.



### XH-REP

Remote display for temperature reading available in red, white or blue color. IP65, 31x64mm.



### WIZMATE PROG-TOOL KIT

Programming tool for a quick and easy parameter update.



# EmersonClimate.com/Dixell

**Dixell™**

**Dixell S.r.l.** - 32010 Pieve d'Alpago (BL) ITALY - Z.I. Via dell'Industria, 27  
Tel. +39.0437.9833 r.a. - Fax +39.0437.989313 - EmersonClimate.com/Dixell - dixell@emerson.com

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