



GENERAL Catalogue





GENERAL PURPOSE REFRIGERATION CONTROLLERS

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THERMOMETER: TEMPERATURE DISPLAY

- Measurement unit integrated on the display
- Hot Key or Prog Tool Kit connector for quick and easy programming (XA100C and XT11CX)
- 3VA max power absorption
- Display with red LED 11,5mm high (S format) or 13,2mm high (C and CX formats)
- Temperature alarm (XT11CX)

HOW to ORDER

XT11S X T 1 1 S - A B C 0 N For blue display please contact Dixell

A	B	C
Power supply	Digits n°-measurement unit	Display update delay
0 = 12Vac/dc	0 = °C - integer	0 = No delay
1 = 24Vac/dc	1 = °F - integer	1 = 1 min
4 = 110Vac	2 = °C - decimal point	2 = 3 min
5 = 230Vac		

XT11CX X T 1 1 C X - A B C D 0 For blue display please contact Dixell

A	B	C	D
Power supply	Inputs	Display update delay	Measurement unit
4 = 110Vac	P = PTC	0 = No delay	C = °C
5 = 230Vac	N = NTC	1 = 1 min	F = °F
		2 = 3 min	

XA100C X A 1 0 0 C - A B 0 D U For blue display please contact Dixell

A	B	D
Power supply	Measurement unit	Input
0 = 12Vac/dc	C = °C	P = PTC (NTC)
1 = 24Vac/dc	F = °F	T = PTC (NTC, Pt100, TcJ, TcK, TcS)
4 = 110Vac	B = Bar	A = 4÷20mA, 0÷1V, 0÷10V
5 = 230Vac	P = PSI	B = PP07 (-0.5÷7bar)
	H = %RH	C = PP30 (0÷30bar)
	N = No measurement unit	D = PP11 (-0.5÷11bar)
		H = XH10/20P

LED THERMOMETERS

THERMOMETER

XT11S XT11CX

Digital thermometers with max and min log, powered directly by main voltage

XA100C

Configurable digital indicator



CX: 32x74mm



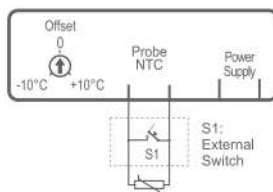
S: 31x64mm



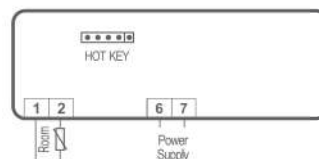
C: 32x74mm

FEATURES	XT11S	XT11CX	XA100C
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	12, 24Vac/dc 110, 230Vac	110, 230Vac	12, 24Vac/dc 110, 230Vac
Measurement range	-40÷50°C -40÷122°F	probe dependent	probe dependent
Inputs			
Probe	NTC included	NTC, PTC	NTC, PTC, Pt100 TcJ, TcK, TcS 4÷20mA, 0÷1V, 0÷10V
Other			
Temperature alarm		pres	pres
Hot Key/Prog Tool Kit output		pres	pres
Digital input			TTL
Serial output			opt
Buzzer			via keyboard
Offset adjustment	back side trimmer	via keyboard	

XT11S

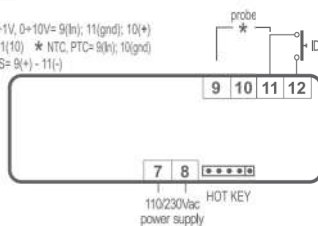


XT11CX

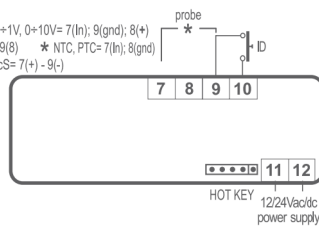


XA100C

- * 4÷20mA, 0÷1V, 0÷10V= 9(In); 11(gnd); 10(+)
- * Pt100= 9 - 11(10) * NTC, PTC= 9(In); 10(gnd)
- * TcK, TcJ, TcS= 9(+)-11(-)



- * 4÷20mA, 0÷1V, 0÷10V= 7(In); 9(gnd); 8(+)
- * Pt100= 7 - 9(8) * NTC, PTC= 7(In); 8(gnd)
- * TcK, TcJ, TcS= 7(+)-9(-)





CX: 32x74mm

IP65

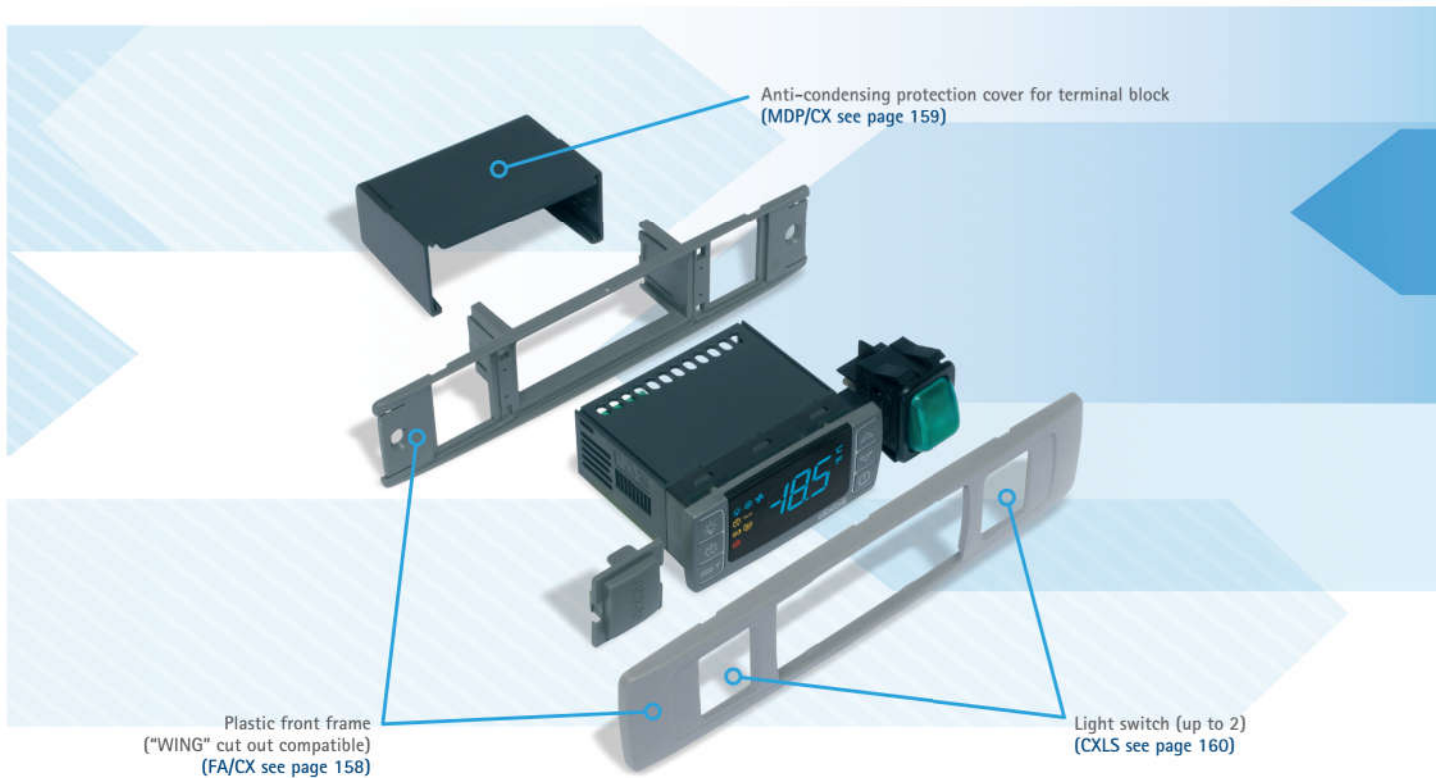


Prime

PRIME CX SERIES: NT and LT APPLICATIONS

- Innovative digital controllers dedicated to heat and NT and LT refrigeration
- Easy and intuitive programming mode
- On/off key
- Energy saving cycles through digital input
- Fast freezing with dedicated set point
- Outputs restart with door open alarm
- Temperature Max and Min functions
- Configurable digital input also as probe
- Virtual probe management
- Cycles for milk cooling and storage systems
- Functions for refrigerated air dryers in automation processes
- Condenser temperature management to prevent critical plant situations
- Hot Key or Prog Tool Kit connector for quick and easy programming
- Serial connection to monitoring systems (direct for XR35/75/77CX or via XJ485CX)
- Connection for X-REP remote display (alternative to TTL output)
- 3VA max power absorption
- Display with red LED (10,5mm high) and icons





HOW to ORDER

PRIME CX

X R C X - A B C D E

-17.8

For blue display please contact Dixell

A	B	C	D			E	
Power supply	Inputs	Buzzer	X-REP output (excludes TTL output)	Measurement unit	RTC	Compressor output	Connections
0 = 12Vac/dc 1 = 24Vac/dc 2 = 24Vac 4 = 110Vac 5 = 230Vac	N = NTC P = PTC	0 = No 1 = Yes 2 = No 3 = Yes	No No Yes Yes	C = °C F = °F H = °C heating (only for XR10CX) L = °F heating (only for XR10CX) I* = °C M* = °F * Only for XR30/70CX	No No No No Yes supercap Yes supercap	0 = 8A 1 = 20A 3 = 16A 6 = 8A 7 = 20A 8 = 16A	Screw Screw Screw Faston Faston Faston

XR35/75/77CX

X R C X - A B C D E

-17.8

For blue display please contact Dixell

A	B	C	D		E
Power supply	Inputs	Buzzer	Measurement unit	RTC	Compressor output
0 = 12Vac/dc (only for XR77CX) 1 = 24Vac/dc (only for XR77CX) 4 = 110Vac 5 = 230Vac	N = NTC S = Pt1000	6 = No 7 = Yes	C = °C F = °F I = °C M = °F	No No Yes supercap Yes supercap	0 = 8A 3 = 16A

XR80CX

X R 8 0 C X - A B C D E

-17.8

For blue display please contact Dixell

A	B	C	D	E
Power supply	Inputs	Buzzer	Measurement unit	Compressor output
0 = 12Vac/dc 4 = 110Vac 5 = 230Vac	N = NTC P = PTC	0 = No 1 = Yes	C = °C F = °F	0 = 8A 3 = 20A

PRIME CX

THERMOSTAT and CONTROLLERS with "OFF CYCLE" DEFROST for STATIC APPLICATIONS

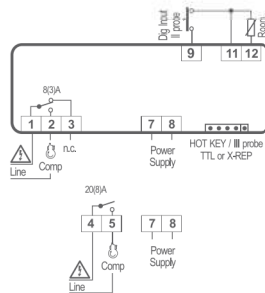


CX: 32x74mm

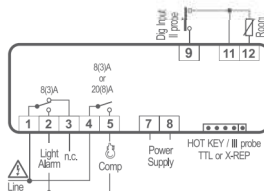
XR10CX	Digital thermostat with heating or cooling action
XR20CX	Digital controller for NT with "off cycle" defrost
XR30CX	Digital controller for NT with "off cycle" defrost and additional configurable relay
XR35CX	Digital controller for NT with "off cycle" defrost, additional configurable relay and RS485
XR40CX	Digital controller for NT and LT with electrical or hot gas defrost

FEATURES	XR10CX	XR20CX	XR30CX	XR35CX	XR40CX
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	12, 24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 24, 110, 230Vac	110, 230Vac	12, 24Vac/dc 24, 110, 230Vac
Probe inputs					
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, Pt1000	NTC, PTC
Thermostat 2				NTC, Pt1000	NTC, PTC
Defrost					NTC, PTC
Defrost 2					NTC, PTC
Condenser	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, Pt1000	NTC, PTC on HOT KEY
Digital inputs					
Alarm, start defrost, AUX, door switch, pressure switch, probe	config	config	config	config	config
Alarm, start defrost, AUX, door switch, pressure switch				config	
Relay outputs					
Compressor	8A, 20A	8A, 20A	8A, 20A	8A, 16A	8A, 20A
Compressor 2					
Thermostat 2					
Defrost					8A
Defrost 2					
Fans					
Light or alarm			8A	8A	
Anti-sweat					
Agitator					
Other					
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres
Remote display output	X-REP opt	X-REP opt	X-REP opt	X-REP	X-REP opt
Serial output	TTL	TTL	TTL	RS485	TTL
Buzzer	opt	opt	opt	opt	opt
Real time clock			opt	opt	

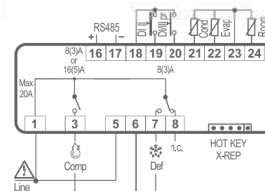
XR10CX - XR20CX



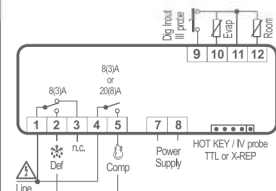
XR30CX



XR35CX



XR40CX



CONTROLLERS for STATIC or VENTILATED APPLICATIONS

PRIME CX

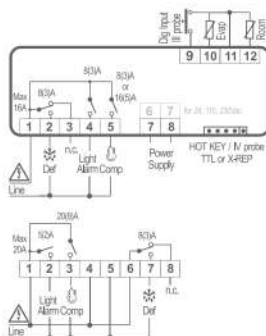
XR50CX	Digital controller for NT and LT static applications with electrical or hot gas defrost and auxiliary relay
XR60CX	Digital controller for NT and LT ventilated applications with dual humidity function
XR64CX	Digital controller for NT and LT ventilated applications with dual evaporators



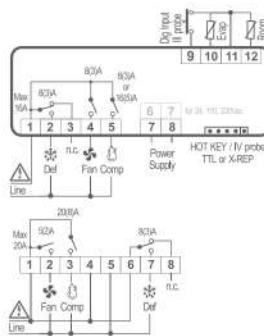
CX: 32x74mm

FEATURES	XR50CX		XR60CX		XR64CX	
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	12, 24Vac/dc 24, 110, 230Vac	110, 230Vac	12, 24Vac/dc 24, 110, 230Vac	110, 230Vac	110, 230Vac	12Vac/dc
Probe inputs						
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Thermostat 2						
Defrost	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost 2					NTC, PTC	NTC, PTC
Condenser	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY
Digital inputs						
Alarm, start defrost, AUX, door switch, pressure switch, probe	config	config	config	config	config	config
Alarm, start defrost, AUX, door switch, pressure switch						
Relay outputs						
Compressor	8A, 16A	20A	8A, 16A	20A	8A, 16A	16A
Compressor 2						
Thermostat 2						
Defrost	8A	8A	8A	8A	8A	16A
Defrost 2					8A	16A
Fans			8A	5A	5A	16A
Light or alarm	8A	5A				
Anti-sweat						
Agitator						
Other						
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres	pres
Remote display output	X-REP opt	X-REP opt	X-REP opt	X-REP opt	X-REP opt	X-REP opt
Serial output	TTL	TTL	TTL	TTL	TTL	TTL
Buzzer	opt	opt	opt	opt	opt	opt
Real time clock						

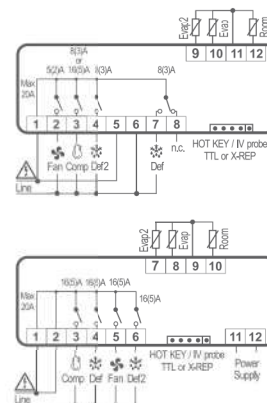
XR50CX



XR60CX



XR64CX



PRIME CX

CONTROLLERS for VENTILATED APPLICATIONS

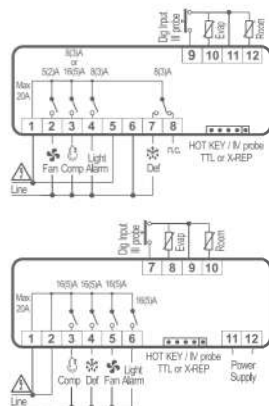


CX: 32x74mm

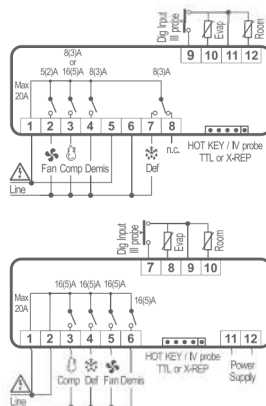
XR70CX	Digital controller for NT and LT with auxiliary relay and dual humidity function
XR71CX	Digital controller for NT and LT with anti sweat heater management
XR72CX	Digital controller for NT and LT with dual compressor management

FEATURES	XR70CX		XR71CX		XR72CX	
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	110, 230Vac	12Vac/dc	110, 230Vac	12Vac/dc	110, 230Vac	12Vac/dc
Probe inputs						
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Thermostat 2						
Defrost	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost 2						
Condenser	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY	NTC, PTC on HOT KEY
Digital inputs						
Alarm, start defrost, AUX, door switch, pressure switch, probe	config	config	config	config	config	config
Alarm, start defrost, AUX, door switch, pressure switch						
Relay outputs						
Compressor	8A, 16A	16A	8A, 16A	16A	8A, 16A	16A
Compressor 2					8A	16A
Thermostat 2						
Defrost	8A	16A	8A	16A	8A	16A
Defrost 2						
Fans	5A	16A	5A	16A	5A	16A
Light or alarm	8A	16A				
Anti-sweat			8A	16A		
Agitator						
Other						
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres	pres
Remote display output	X-REP opt	X-REP opt	X-REP opt	X-REP opt	X-REP opt	X-REP opt
Serial output	TTL	TTL	TTL	TTL	TTL	TTL
Buzzer	opt	opt	opt	opt	opt	opt
Real time clock	opt	opt				

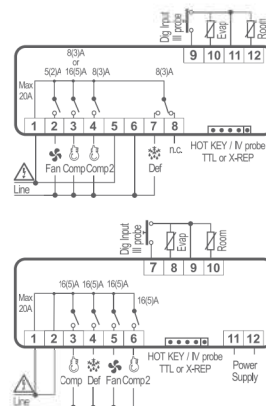
XR70CX



XR71CX



XR72CX



CONTROLLERS for VENTILATED APPLICATIONS or for MILK COOLING and AIR DRYERS

PRIME CX

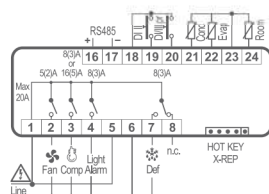
XR75CX	Digital controller for NT and LT ventilated applications with auxiliary relay, dual humidity function and RS485
XR77CX	Digital controller for NT and LT ventilated applications with auxiliary relay, dual humidity function, RS485 and relay with separated common lines
XR80CX	Digital controller for storage, milk cooling, and for refrigerated air dryers



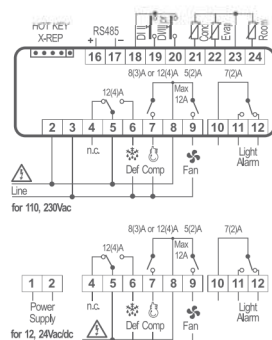
CX: 32x74mm

FEATURES	XR75CX	XR77CX	XR80CX
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	110, 230Vac	12, 24Vac/dc 110, 230Vac	12Vac/dc 110, 230Vac
Probe inputs			
Thermostat	NTC, Pt1000	NTC/Pt1000	NTC, PTC
Thermostat 2			
Defrost	NTC, Pt1000	NTC, Pt1000	
Defrost 2			
Condenser	NTC, Pt1000	NTC, Pt1000	
Digital inputs			
Alarm, start defrost, AUX, door switch, pressure switch, probe	config	config	
Alarm, start defrost, AUX, door switch, pressure switch	config	config	config
Relay outputs			
Compressor	8A, 16A	8A, 12A	8A, 20A
Compressor 2			
Thermostat 2			
Defrost	8A	12A	
Defrost 2			
Fans	5A	5A	
Light or alarm	8A	7A	
Anti-sweat			
Agitator			8A
Other			
Hot Key/Prog Tool Kit output	pres	pres	pres
Remote display output	X-REP	X-REP	
Serial output	RS485	RS485	TTL
Buzzer	opt	opt	opt
Real time clock	opt	opt	

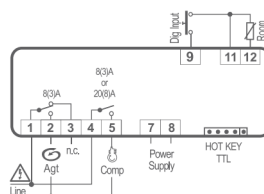
XR75CX



XR77CX



XR80CX





D: 4 DIN Rail



PRIME D SERIES: NT and LT APPLICATIONS

- Innovative digital controllers dedicated to normal and low temperature refrigerated applications
- Direct line power supply 230 (110)Vac. No external transformer required
- Direct driving of compressors up to 1,2HP, (20A relay inside)
- Pre-programming of the main control variables, easy and intuitive programming mode
- Keyboard lock, alarm signalling by relay, display or buzzer
- Configurable digital input for door switch, defrost, general or serious alarm
- Auxiliary relay activated through keys or digital input
- Hot Key connector for quick and easy programming
- HACCP function
- 3VA max power absorption
- Display with red LED (13,2mm high)

HOW to ORDER

PRIME D

X R D - A B C D E

-17.8

For blue display please contact Dixell

A	B	C	D	E
Power supply	Inputs	Buzzer	Measurement unit	Compressor output
2 = 24Vac	P = PTC	0 = No	C = °C	0 = 8A
4 = 110Vac	N = NTC	1 = Yes	F = °F	1 = 20A
5 = 230Vac			H = °C heating only for XR10D	
			L = °F heating only for XR10D	

THERMOSTAT and CONTROLLERS for STATIC or VENTILATED APPLICATIONS or for MILK COOLING

PRIME D

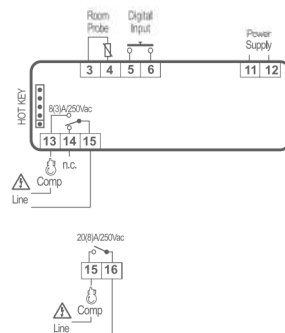
XR10D	Digital thermostat with heating or cooling action
XR20D	Digital controller for NT with "off cycle" defrost
XR30D	Digital controller for NT with "off cycle" defrost and additional configurable relay
XR60D	Digital controller for NT and LT ventilated applications with door switch capability
XR70D	Digital controller for NT and LT ventilated applications with door switch capability and auxiliary relay
XR80D	Digital controller for milk cooling with agitation cycle capability



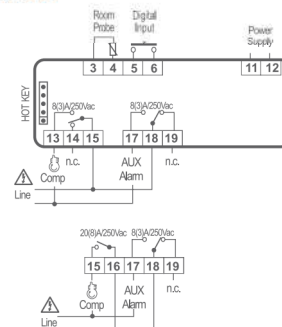
D: 4 DIN Rail

FEATURES	XR10D	XR20D	XR30D	XR60D	XR70D	XR80D
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac
Probe inputs						
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost				NTC, PTC	NTC, PTC	
Digital inputs						
Alarm, start defrost, AUX, door switch, pressure switch	config	config	config	config	config	
Relay outputs						
Compressor	no 8A/nc 5A, 20A	no 8A/nc 5A, 20A	no 8A/nc 5A, 20A	no 8A/nc 5A, 20A	no 8A/nc 5A, 20A	no 8A/nc 5A, 20A
Defrost				no 8A/nc 5A, 8A	no 8A/nc 5A, 8A	
Fans					no 8A/nc 5A	
Alarm						
Agitator						no 8A/nc 5A
Alarm or auxiliary			no 8A/nc 5A			
Other						
Functions	HACCP	HACCP	HACCP	HACCP	HACCP	min/max
Hot Key output	pres	pres	pres	pres	pres	pres
Buzzer	opt	opt	opt	opt	opt	opt

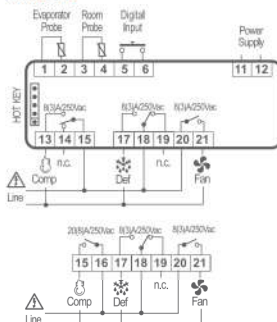
XR10D – XR20D



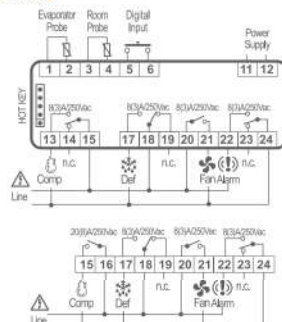
XR30D



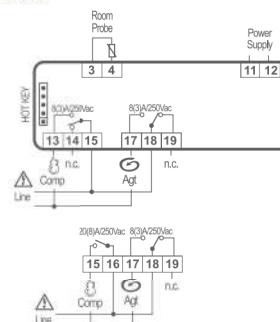
XR60D



XR70D



XR80D





CX: 32x74mm



UNIVERSAL-R: HEATING APPLICATIONS, NT and LT 7 PRE-CONFIGURED MAPS

- Designed to replace over 150 models of refrigeration/heating controllers in 32x74mm format
- Easy and quick installation
- Rapid set-up in 3 simple steps
- Dual voltage power supply 12Vac/dc and 230Vac
- Specific functions to control twin evaporator defrost
- Automatic probe detection
- Complete condenser management
- Hot Key or Prog Tool Kit connector for quick and easy programming
- 3VA max power absorption
- Display with red LED (10,5 mm high) and icons
- 7 pre-configured applications selectable from parameter **EC**

EC1 = on/off thermostat – cooling

EC2 = thermostat with off cycle defrost

EC3 = thermostat with electric/hot gas defrost, time initiated and time terminated

EC4 = thermostat with electric/hot gas defrost, time initiated and temperature terminated

EC5 = thermostat with electric/hot gas defrost, time initiated and temperature terminated and evaporator fan

EC6 = twin evaporator defrost applications

EC7 = on/off thermostat - heating

HOW to ORDER

UNIVERSAL-R U N I V - R 4 - 6 B 1 D 0

B	D
Inputs	Measurement unit
P = PTC	C = °C
N = NTC	F = °F

UNIVERSAL CONTROLLER for SERVICE REPLACEMENT

UNIVERSAL-R

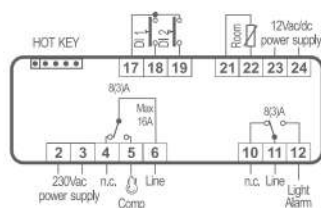
UNIV-R4 | Controller for service replacement of refrigeration and heating controllers with 7 pre-configured maps



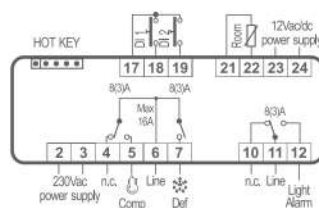
CX: 32x74mm

FEATURES	UNIV-R4 (tC=1)	UNIV-R4 (tC=2)	UNIV-R4 (tC=3)	UNIV-R4 (tC=4)	UNIV-R4 (tC=5)	UNIV-R4 (tC=6)	UNIV-R4 (tC=7)
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Power supply	12Vac/dc 230Vac	12Vac/dc 230Vac	12Vac/dc 230Vac	12Vac/dc 230Vac	12Vac/dc 230Vac	12Vac/dc 230Vac	12Vac/dc 230Vac
Probe inputs							
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost				NTC, PTC	NTC, PTC	NTC, PTC	
Defrost 2						NTC, PTC	
Digital inputs							
Alarm, defrost, AUX, door switch, pressure switch, ON/OFF, energy saving	2 x config	2 x config	2 x config	2 x config	2 x config	1 x config	2 x config
Relay outputs							
Compressor	8A	8A	8A	8A	8A	8A	
Defrost			8A	8A	8A	8A	
Defrost 2						8A	
Fans					8A	8A	
Light or alarm	8A	8A	8A	8A	8A		8A
Heating							8A
Other							
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres	pres	pres
Buzzer	pres	pres	pres	pres	pres	pres	pres

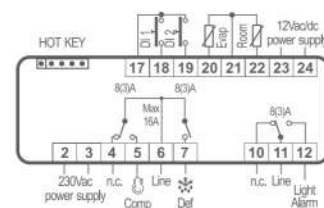
UNIV-R4 (tC 1-2)



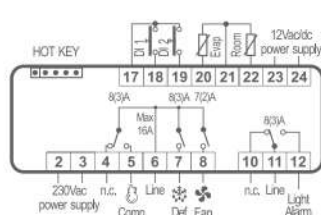
UNIV-R4 (tC 3)



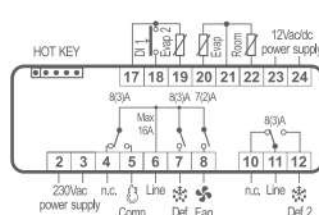
UNIV-R4 (tC 4)



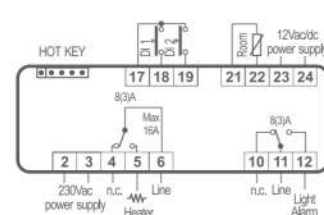
UNIV-R4 (tC 5)



UNIV-R4 (tC 6)



UNIV-R4 (tC 7)



WING: INNOVATIVE AESTHETICAL SOLUTIONS

The WING family, characterized by a high aesthetical value, presents a series of solutions able to satisfy every need in refrigeration field especially when the design becomes a fundamental, such as for cream freezers or pastry refrigerators etc... This series is available in classic formats, Compact (L and V) and Split (K), with vertical or horizontal keyboard. In particular, horizontal format is divided in 2 macro families:

- **WING TOUCH**;
- **WING STANDARD** (available also INOX or BACK-PANEL with POLYCARBONATE).

Great versatility and customization are given to these models thanks to the reduced space (LR) and to the display with icons that, depending on the model, can be white, red or blue.

WING TOUCH

- Capacitive TOUCH technology
- Frontal backlit
- Standard or back-panel front mounting



IP65



Back-panel mounting
with PM-WLT bracket
(surface thickness 0.8÷1.0mm)

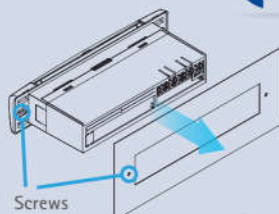


Standard front mounting

MOUNTING OPTIONS

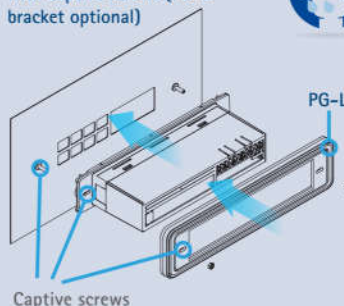
Depending on the model, Dixell gives different mounting solutions. High protection, great aesthetic value, easy and quick fixing mode are guaranteed by the solutions below:

STANDARD mounting
with screws



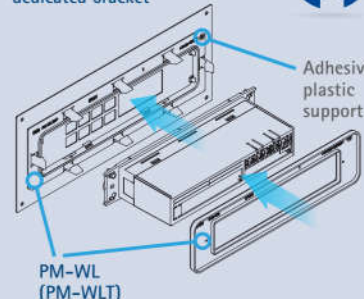
Screws

BACK-PANEL mounting
with captive screws (PG-L
bracket optional)



Captive screws

BACK-PANEL mounting
with PM-WL(T)
dedicated bracket



PM-WL
(PM-WLT)

Adhesive
plastic
support



The PM-WL (PM-WLT for WING TOUCH) bracket, developed by Dixell, is the ideal solution for back-panel mounting without using captive screws. The fixing system is composed of 2 parts: one adhesive to be put on the panel, and one movable to hold the instrument.

WING STANDARD



WING INOX option

IP65



- Bright or satinized steel front
- Standard or back-panel front mounting



Standard front mounting



Back-panel mounting with captive screws (+ PG-L protection) or using the PM-WL bracket (surface thickness 0.8÷1.0mm)

BACK-PANEL with POLYCARBONATE option

- Front polycarbonate that can be easily customized
- Back-panel mounting

IP65



Back-panel mounting with captive screws (+ PG-L protection) or using the PM-WL bracket (surface thickness 0.8÷1.0mm)

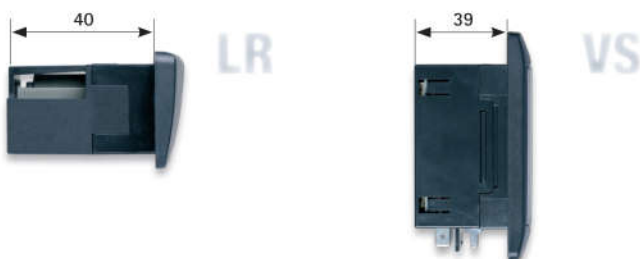
	Formats	Front mounting	Back-panel mounting with captive screws	Back-panel mounting with bracket
WING TOUCH	LT, LRT, TOUCH keyboards	yes	no	yes with PM-WLT bracket
WING STANDARD	L, LR, T keyboards	yes	no	no
INOX option	L, LR, T keyboards	yes	yes with PG-L bracket optional	yes with PM-WL bracket
POLYCARBONATE option	L, LR, T keyboards	no	yes with PG-L bracket optional	yes with PM-WL bracket



WING SERIES: NT and LT APPLICATIONS – COMPACT/SPLIT FORMAT

- Innovative controllers with different aesthetic solutions that enhance the final product
- Direct live and neutral load connections for reduction of wiring costs
- Direct driving of compressors up to 1,2HP (20A relay inside)
- Direct line power supply. No external transformer required
- Up to 8 push buttons with direct action for user friendly interface
- Maximum and minimum temperature recording
- High and low humidity control simple or floating
- Smart defrost
- Integrated functions for energy saving
- Continuous cycle with a dedicated set point
- Virtual probe management
- Hot Key or Prog Tool Kit connector for quick and easy programming
- Connection for X-REP remote display
- Serial connection to monitoring systems
- 7VA max power absorption
- LED display (10,5mm high) and icons

LR and VS formats are the specific solution for all applications with a reduced space



Controllers are provided with a wide display with integrated icons of the real time situation and the measurement unit, for clear and continuous monitoring.



HOW to ORDER

WING L

X	W			L	-	A	B	C	D	E	-	N
---	---	--	--	---	---	---	---	---	---	---	---	---

inox **-17.8**

For inox, blue display, back-panel with polycarbonate version please contact Dixell

A	B		C		D	E
Power supply	Inputs	Light relay	Buzzer	RTC	Measurement unit	X-REP
2 = 24Vac	N = NTC	8A	0 = No	No	C = °C	0 = No
4 = 110Vac	P = PTC	8A	1 = Yes	No	F = °F	1 = Yes
5 = 230Vac	L = NTC	16A	2 = No	Yes supercap		
	M = PTC	16A	3 = Yes	Yes supercap		
	Q = NTC	16A neon				
	R = PTC	16A neon				

WING LT

X	W			L	T	-	A	B	C	D	E
---	---	--	--	---	---	---	---	---	---	---	---

WING LT back-panel mounting

X	W			L	T	-	A	B	C	D	E	-	R
---	---	--	--	---	---	---	---	---	---	---	---	---	---

A	B	C	D		E
Power supply	Inputs	RTC	Measurement unit	Display	X-REP
2 = 24Vac	N = NTC	1 = No	W = °C	White	0 = No
4 = 110Vac	P = PTC	3 = Yes supercap	Y = °F	White	1 = Yes
5 = 230Vac			C = °C	Red	
			F = °F	Red	
			D = °C	Blue	
			G = °F	Blue	

WING LR

X	W			L	R	-	A	B	C	D	O	-	N
---	---	--	--	---	---	---	---	---	---	---	---	---	---

inox **-17.8**

For inox, blue display, back-panel with polycarbonate version please contact Dixell

A	B	C		D
Power supply	Inputs	Buzzer	RTC	Measurement unit
4 = 110Vac	N = NTC	0 = No	No	C = °C
5 = 230Vac	P = PTC	1 = Yes	No	F = °F
		2 = No	Yes supercap	
		3 = Yes	Yes supercap	

HOW to ORDER

WING LRT

X W L R T - A B C D O

WING LRT back-panel mounting

X W L R T - A B C D O - R

A	B	C	D
Power supply	Inputs	RTC	Measurement unit
4 = 110Vac 5 = 230Vac	N = NTC P = PTC	1 = No 3 = Yes supercap	W = °C Y = °F C = °C F = °F D = °C G = °F
			Display
			White
			White
			Red
			Red
			Blue
			Blue

WING V

X W V - A B C D E

-17.8

For blue display please contact Dixell

WING VS

X W V S - A B C D O

-17.8

For blue display please contact Dixell

A	B	C	D	E
Power supply	Inputs	Buzzer	Measurement unit	Compressor output
2 = 24Vac 4 = 110Vac 5 = 230Vac	N = NTC P = PTC	0 = No 1 = Yes	C = °C F = °F	0 = 8A 1 = 20A

WING K

X W K - A B C D E

A	B	C	D	E
Power supply	Inputs/light relay	Housing	Measurement unit	RTC
2 = 24Vac 4 = 110Vac 5 = 230Vac	N = NTC P = PTC L = NTC/16A neon M = PTC/16A neon	0 = Open board "OS" 1 = Open board + 8 DIN Rail base 2 = 8 DIN Rail 3 = "GS" housing	C = °C F = °F	0 = No 2 = Yes supercap 4 = Battery

CX/TX/VX KEYBOARDS

X 2 0 - A 0 0 N 0

inox

For inox and back-panel with polycarbonate version on TX keyboards please contact Dixell

-17.8

For blue display please contact Dixell

Buzzer

0 = No

1 = Yes

TOUCH KEYBOARDS

T 2 0 T - 1 0 0 D 0

TOUCH KEYBOARDS back-panel mounting

T 2 0 T - 1 0 0 D 0 - R

Display

N = Red

R = Blue

W = White

CONTROLLERS for STATIC APPLICATIONS

WING

XW20L	Digital controller for NT with "off cycle" defrost
XW20LT	Digital controller for NT with "off cycle" defrost, TOUCH interface and red, white or blue display
XW20LR	Digital controller for NT with "off cycle" defrost and reduced depth
XW20LRT	Digital controller for NT with "off cycle" defrost, reduced depth, TOUCH interface and red, white or blue display



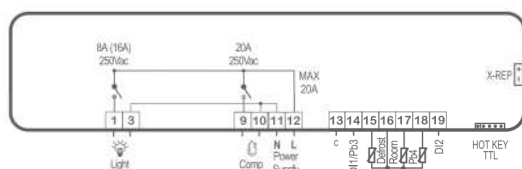
L, LR: 38x185mm



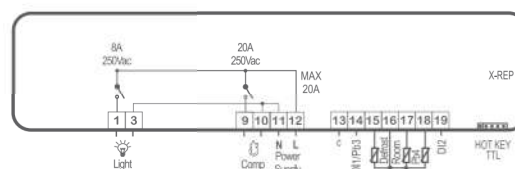
LT, LRT: 38x185mm

FEATURES	XW20L	XW20LT	XW20LR	XW20LRT
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Keyboard: push buttons	6	6	6	6
Power supply	24, 110, 230Vac	24, 110, 230Vac	110, 230Vac	110, 230Vac
Probe inputs				
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Condenser	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Display	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Digital inputs				
Alarm, start defrost, door switch, pressure switch, probe	config	config	config	config
DI 2	config	config	config	config
Relay outputs				
Compressor	20A	20A	20A	20A
Defrost				
Fans				
Light	8A, 16A	8A	8A	8A
Alarm, AUX				
RL 6 configurable				
Other				
Hot Key/Prog Tool Kit output	pres	pres	pres	pres
Remote display output	X-REP opt	X-REP opt		
Serial output	TTL	TTL	TTL	TTL
Triac output				
Buzzer	opt	pres	opt	pres
Real time clock	opt	opt	opt	opt

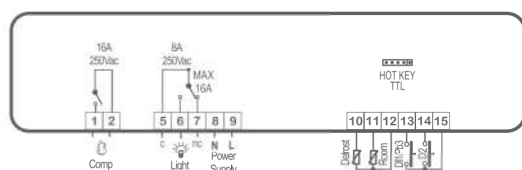
XW20L



XW20LT



XW20LR - XW20LRT





L: 38x185mm



V, VS: 100x64mm

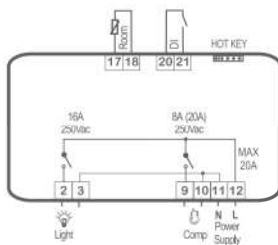


K: 05/GS/8 DIN Rail

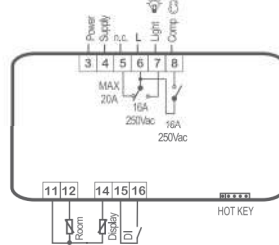
XW20V	Digital controller for NT with "off cycle" defrost
XW20VS	Digital controller for NT with "off cycle" defrost and reduced depth
XW20K	Digital controller in split format for NT with "off cycle" defrost
XW40L	Digital controller for NT and LT with electrical or hot gas defrost function
XW40K	Digital controller in split format for NT and LT with electrical or hot gas defrost function

FEATURES	XW20V	XW20VS	XW20K	XW40L	XW40K
Display: n° digits	± 3 d.p.	± 3 d.p.	on keyboard ± 3 d.p.	± 3 d.p.	on keyboard ± 3 d.p.
Keyboard: push buttons	6	6	6 (on CX620, TX620, T620T, VX620)		6 (on CX620, TX620, T620T, VX620)
Power supply	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac
Probe inputs					
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost				NTC, PTC	NTC, PTC
Condenser			NTC, PTC	NTC, PTC	NTC, PTC
Display		NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Digital inputs					
Alarm, start defrost, door switch, pressure switch, probe	config	config	config	config	config
DI 2				config	
Relay outputs					
Compressor	8A, 20A	16A	20A	20A	20A
Defrost				8A	16A
Fans					
Light	16A	16A	16A	8A, 16A	16A
Alarm, AUX					
RL 6 configurable					
Other					
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres
Remote display output				X-REP opt	
Serial output			TTL	TTL	TTL
Triac output					
Buzzer	opt	opt	on keyboard	opt	on keyboard
Real time clock			opt	opt	opt

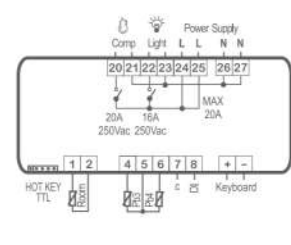
XW20V



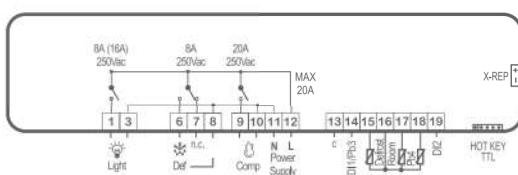
XW20VS



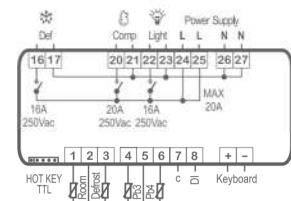
XW20K



XW40L



XW40K



CONTROLLERS for VENTILATED APPLICATIONS

WING

XW60L	Digital controller for NT and LT with electrical or hot gas defrost function and fans
XW60LT	Digital controller for NT and LT with electrical or hot gas defrost function and fans, TOUCH interface and red, white or blue display
XW60LR	Digital controller for NT and LT with electrical or hot gas defrost function and fans and reduced depth
XW60LRT	Digital controller for NT and LT with electrical or hot gas defrost function and fans, reduced depth, TOUCH interface and red, white or blue display
XW60V	Digital controller for NT and LT with electrical or hot gas defrost function and fans
XW60VS	Digital controller for NT and LT with electrical or hot gas defrost function and fans and reduced depth



L, LR: 38x185mm



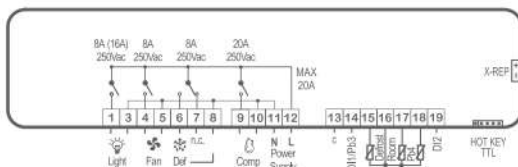
LT, LRT: 38x185mm



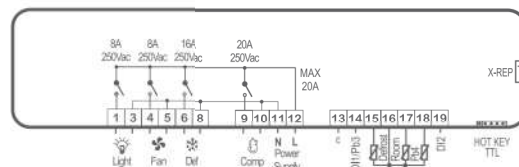
V, VS: 100x64mm

FEATURES	XW60L	XW60LT	XW60LR	XW60LRT	XW60V	XW60VS
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Keyboard: push buttons	6	6	6	6	6	5
Power supply	24, 110, 230Vac	24, 110, 230Vac	110, 230Vac	110, 230Vac	24, 110, 230Vac	24, 110, 230Vac
Probe inputs						
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Condenser	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC		
Display	NTC, PTC	NTC, PTC				NTC, PTC
Digital inputs						
Alarm, start defrost, door switch, pressure switch, probe	config	config	config	config	config	config
DI 2	config	config	config	config		
Relay outputs						
Compressor	20A	20A	20A	20A	8A, 20A	16A
Defrost	8A	16A	8A	8A	8A	16A
Fans	8A	8A	5A	5A	8A	8A
Light	8A, 16A	8A	5A	5A	16A	
Alarm, AUX						
RL 6 configurable						
Other						
Hot Key/Prog Tool Kit output	pres	pres	pres	pres	pres	pres
Remote display output	X-REP opt	X-REP opt				
Serial output	TTL	TTL	TTL	TTL		
Triac output						
Buzzer	opt	pres	opt	pres	opt	opt
Real time clock	opt	opt	opt	opt		

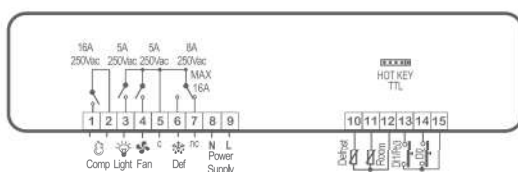
XW60L



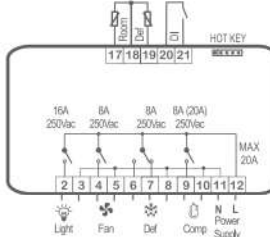
XW60LT



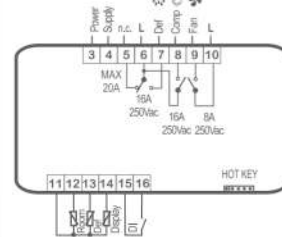
XW60LR - XW60LRT



XW60V



XW60VS





L: 38x185mm



LT: 38x185mm

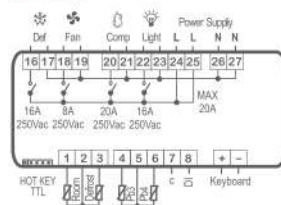


K: 05/GS/8 DIN Rail

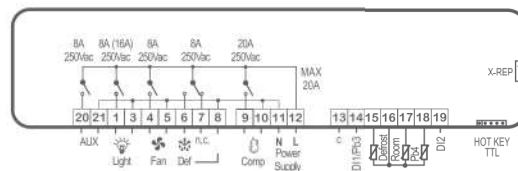
XW60K	Digital controller in split format for NT and LT with electrical or hot gas defrost function and fans
XW70L	Digital controller in split format for NT and LT with electrical or hot gas defrost function, fans and auxiliary relay
XW70LT	Digital controller for NT and LT with electrical or hot gas defrost function, fans and auxiliary relay, TOUCH interface and red, white or blue display
XW70K	Digital controller in split format for NT and LT with electrical or hot gas defrost function, fans, auxiliary relay and triac (ON/OFF)

FEATURES	XW60K	XW70L	XW70LT	XW70K
Display: n° digits	on keyboard ± 3 d.p.	± 3 d.p.	± 3 d.p.	on keyboard ± 3 d.p.
Keyboard: push buttons	6 (on CX620, TX620, T620T, VX620)	8	8	8 (on TX820, T820T, VX820)
Power supply	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac	24, 110, 230Vac
Probe inputs				
Thermostat	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Defrost	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Condenser	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Display	NTC, PTC	NTC, PTC	NTC, PTC	NTC, PTC
Digital inputs				
Alarm, start defrost, door switch, pressure switch, probe	config	config	config	config
DI 2		config	config	config
Relay outputs				
Compressor	20A	20A	20A	20A
Defrost	16A	8A	16A	16A
Fans	8A	8A	8A	8A
Light	16A	8A, 16A	8A	16A
Alarm, AUX		8A	8A	
RL 6 configurable				
Other				
Hot Key/Prog Tool Kit output	pres	pres	pres	pres
Remote display output		X-REP opt	X-REP opt	
Serial output	TTL	TTL	TTL	TTL
Triac output				2A
Buzzer	on keyboard	opt	pres	on keyboard
Real time clock	opt	opt	opt	opt

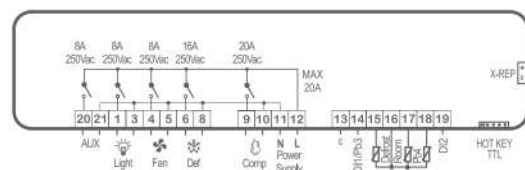
XW60K



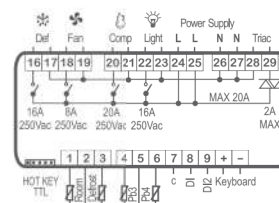
XW70L



XW70LT



XW70K



CONTROLLERS for VENTILATED APPLICATIONS

WING

XW90L	Digital controller for NT and LT with electrical or hot gas defrost function, fans, auxiliary relay and sixth relay configurable
XW90LT	Digital controller for NT and LT with electrical or hot gas defrost function, fans, auxiliary relay and sixth relay configurable, TOUCH interface and red, white or blue display



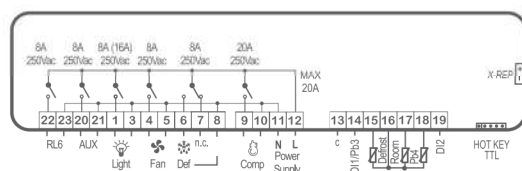
L: 38x185mm



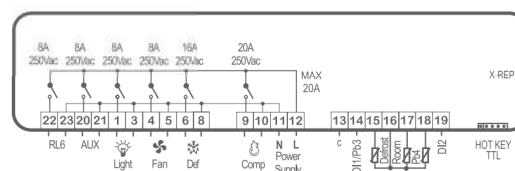
LT: 38x185mm

FEATURES	XW90L	XW90LT
Display: n° digits	± 3 d.p.	± 3 d.p.
Keyboard: push buttons	8	8
Power supply	24, 110, 230Vac	24, 110, 230Vac
Probe inputs		
Thermostat	NTC, PTC	NTC, PTC
Defrost	NTC, PTC	NTC, PTC
Condenser	NTC, PTC	NTC, PTC
Display	NTC, PTC	NTC, PTC
Digital inputs		
Alarm, start defrost, door switch, pressure switch, probe	config	config
DI 2	config	config
Relay outputs		
Compressor	20A	20A
Defrost	8A	16A
Fans	8A	8A
Light	8A, 16A	8A
Alarm, AUX	8A	8A
RL 6 configurable	8A	8A
Other		
Hot Key/Prog Tool Kit output	pres	pres
Remote display output	X-REP opt	X-REP opt
Serial output	TTL	TTL
Triac output		
Buzzer	opt	pres
Real time clock	opt	opt

XW90L



XW90LT



WING

KEYBOARDS for CONTROLLERS in K FORMAT



32x74mm



38x185mm



38x185mm



100x64mm

CX620	6 key keyboard (32x74mm) for controllers in K format
TX620	6 key keyboard (horizontal WING) for controllers in K format
T620T	6 key keyboard for controllers in K format with TOUCH interface and red, white and blue display
VX620	6 key keyboard (vertical WING) for controllers in K format
TX820	8 key keyboard (horizontal WING) for controllers in K format
T820T	8 key keyboard for controllers in K format with TOUCH interface and red, white and blue display
VX820	8 key keyboard (vertical WING) for controllers in K format

FEATURES	CX620	TX620	T620T	VX620	TX820	T820T	VX820
Display: n° digits	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.	± 3 d.p.
Keyboard: push buttons	6	6	6	6	8	8	8
Power supply	from controller	from controller	from controller	from controller	from controller	from controller	from controller
Slave module	XW20K XW40K XW60K	XW20K XW40K XW60K	XW20K XW40K XW60K	XW20K XW40K XW60K	XW70K	XW70K	XW70K
Buzzer	opt	opt	pres	opt	opt	pres	opt

The keyboards CX, TX and VX are provided with a wide display with integrated icons of real time situation and measurement unit, for clear and continuous monitoring.



The POWER MODULES in K FORMAT are AVAILABLE in 4 DIFFERENT VERSIONS

OS: open board



GS: with plastic housing 225x180x84mm



8 DIN Rail base: open board with 8 DIN bottom



8 DIN Rail: with 8 DIN plastic housing

