



# ROOM CONTROLLERS

## SECTION INDEX

FUNCTIONS	MODELS	
<b>XLR100 COOL MATE – NT and LT applications</b>		<b>48</b>
Controller for NT refrigerated rooms	XLR130	49
Controller for NT and LT refrigerated rooms	XLR170	49
<b>XLR400 COOL MATE – NT and LT applications with dual temperature management</b>		<b>50</b>
Controller with dual temperature management for NT and LT refrigerated rooms	XLR460	51
Controller with dual temperature management for LT refrigerated rooms	XLR470	51
<b>XLH200/300 COOL MATE – NT and LT applications and maturing rooms with temperature/humidity management</b>		<b>52</b>
Controller for NT and LT refrigerated rooms with temperature and humidity management	XLH260	53
Controller for maturing rooms with temperature and humidity management	XLH360	53
<b>V-KIT – NT and LT applications – split format</b>		<b>54</b>
Wall adapter for WING vertical keyboards	V-KIT	54



230x210mm



WALL MOUNTING



PANEL MOUNTING

## COOL MATE

### XLR100 COOL MATE SERIES: NT and LT APPLICATIONS

- Advanced multifunction refrigeration controllers suitable for both heating and cooling applications
- Temperature control can be performed on probe 1, probe 2 or by the difference between probe 1 and 2
- Complete compressor and defrost management
- Maximum and minimum temperature recording
- Direct line power supply 230 (110)Vac. No external transformer required
- Instant visibility of machine status via display icons
- Clear alarm signals thanks to the front lid
- Fast and easy wiring
- Designed to be wall or panel mounted
- Hot Key or Prog Tool Kit connector for quick and easy programming
- Serial connection to monitoring systems
- 10VA max power absorption
- Display with red LED (30,5mm high) and 11 icons

#### HOW to ORDER

XLR100

X L R 1 0 - A B C D E

For blue display please contact Dixell

A	B	C	D	E
<b>Power supply</b>	<b>Inputs/kind of output</b>	<b>RTC</b>	<b>Measurement unit</b>	<b>RS485 output</b>
2 = 24Vac 4 = 110Vac 5 = 230Vac	N = NTC/standard P = PTC/standard O = NTC/direct loads Q = PTC/direct loads	1 = No 3 = Yes	C = °C F = °F	2 = No 3 = Yes

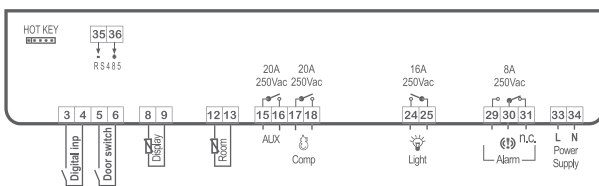
- XLR130** | "off cycle" defrost digital controller for NT
- XLR170** | Digital controller for NT and LT ventilated applications



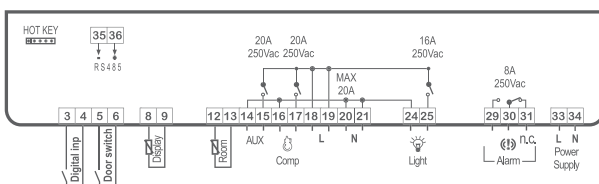
230x210mm

FEATURES	XLR130	XLR170
<b>Display: n° digits</b>	± 3 d.p.	± 3 d.p.
<b>Keyboard: push buttons</b>	8	8
<b>Power supply</b>	24, 110, 230Vac	24, 110, 230Vac
<b>Probe inputs</b>		
Thermostat	NTC, PTC	NTC, PTC
Defrost		NTC, PTC
Display	NTC, PTC	NTC, PTC
<b>Digital inputs</b>		
Alarm, block alarm, pressure switch, start defrost, energy saving, ON/OFF, AUX, holiday	config	config
Door switch	pres	pres
<b>Relay outputs</b>		
Compressor	20A	20A
Defrost		16A
Fans		8A
Light	16A	16A
AUX	20A	20A
Alarm	8A	8A
<b>Other</b>		
Hot Key/Prog Tool Kit output	pres	pres
Serial output	RS485 opt	RS485 opt
Buzzer	pres	pres
Real time clock	opt	opt

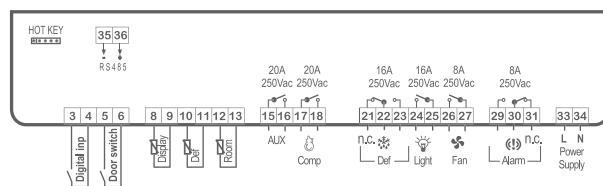
## XLR130



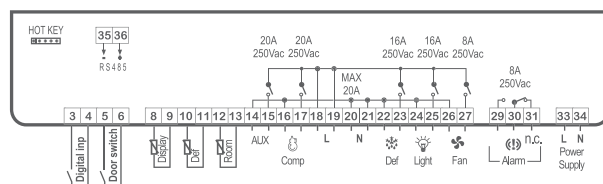
## XLR130 direct loads



## XLR170



## XLR170 direct loads





230x210mm



WALL MOUNTING



PANEL MOUNTING

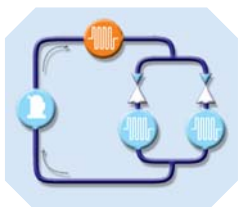
## COOL MATE

### XLR400 COOL MATE SERIES: NT and LT APPLICATIONS with DUAL TEMPERATURE MANAGEMENT

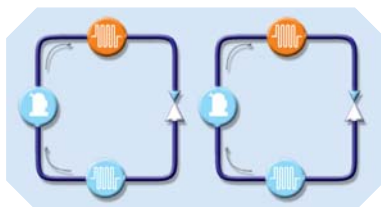
- Advanced multifunction refrigeration controllers with dual temperature management
- Ideal for heating-cooling applications such as a heated bain-marie counter with refrigerated under-counter storage
- Designed for a dual refrigeration circuit or 2 independent circuits
- Integrated defrost management
- Cooling or heating action selectable by user
- Direct line power supply 230 (110)Vac. No external transformer required
- Instant visibility of machine status via display icons
- Fast and easy wiring
- Designed to be wall or panel mounted
- Hot Key or Prog Tool Kit connector for quick and easy programming
- Serial connection to monitoring systems
- 10VA max power absorption
- Dual display with red LED (25,3mm high) and yellow LED (20,3mm high) and 13 icons

#### TYPICAL APPLICATIONS

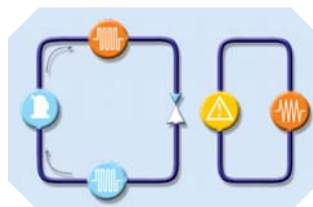
1 circuit – 2 evaporators



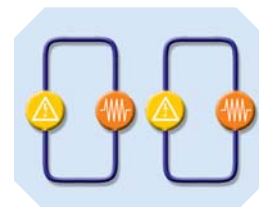
2 independent circuits



Heating and cooling application



2 heating applications



#### HOW to ORDER

XLR400 X L R 4 0 - A O C D E

A	C	D	E
<b>Power supply</b>	<b>RTC</b>	<b>Measurement unit</b>	<b>RS485 output</b>
2 = 24Vac	0 = No	C = °C	0 = No
4 = 110Vac	1 = Yes	F = °F	1 = Yes
5 = 230Vac			

# CONTROLLERS with DUAL TEMPERATURE MANAGEMENT for NT and LT COLD ROOMS

# XLR400

**XLR460** | Digital controller for NT and LT cold rooms with dual temperature management

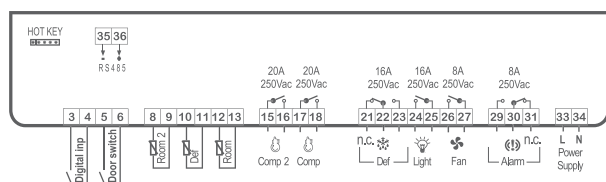
**XLR470** | Digital controller for LT and LT cold rooms with dual temperature management



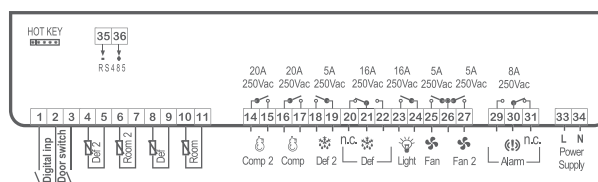
230x210mm

FEATURES	XLR460	XLR470
<b>First display: n° digits</b>	± 3 d.p.	± 3 d.p.
<b>Second display: n° digits</b>	± 4 d.p.	± 4 d.p.
<b>Keyboard: push buttons</b>	8	8
<b>Power supply</b>	24, 110, 230Vac	24, 110, 230Vac
<b>Probe inputs</b>		
Thermostat	NTC	NTC
Thermostat 2	NTC	NTC
Defrost	NTC	NTC
Defrost 2		NTC
<b>Digital inputs</b>		
Alarm, block alarm, pressure switch, start defrost, energy saving, ON/OFF, AUX, holiday	config	config
Door switch	pres	pres
<b>Relay outputs</b>		
Compressor	20A	20A
Compressor 2	20A	20A
Defrost	16A	16A
Defrost 2		5A
Fans	8A	5A
Fans 2		5A
Light	16A	16A
Alarm	8A	8A
<b>Other</b>		
Hot Key/Prog Tool Kit output	pres	pres
Serial output	RS485 opt	RS485 opt
Buzzer	pres	pres
Real time clock	opt	opt

## XLR460



## XLR470





230x210mm



WALL MOUNTING



PANEL MOUNTING

## COOL MATE

### XLH200/300 COOL MATE SERIES: NT and LT APPLICATIONS and MATURING ROOMS with TEMPERATURE/HUMIDITY MANAGEMENT

- Advanced multifunction controllers with temperature and humidity management
- Cooling and heating action for safe storage of products
- Defrost management
- Possibility of excluding humidity control
- Dehumidifying action by cooling circuit
- Running and stopping programmable cycles with different set points (XLH300)
- Automatic cycles of extraction fans (XLH300)
- Direct line power supply 230 (110)Vac. No external transformer required
- Instant visibility of machine status via display icons
- Fast and easy wiring
- Designed to be wall or panel mounted
- Hot Key or Prog Tool Kit connector for quick and easy programming
- Serial connection to monitoring systems
- 10VA max power absorption
- Dual display with red LED (25,3mm high) and yellow LED (20,3mm high) and 17 icons

#### HOW to ORDER

XLH200/300 X L H 6 0 - A 0 0 D E

A	D	E
<b>Power supply</b>	<b>Measurement unit</b>	<b>RS485 output</b>
2 = 24Vac	C = °C	0 = No
4 = 110Vac	F = °F	1 = Yes
5 = 230Vac		

# CONTROLLERS with TEMPERATURE/HUMIDITY MANAGEMENT for NT and LT COLD ROOMS and MATURING ROOMS

# XLH200/300

**XLH260** | Digital controller for NT and LT cold rooms with temperature and humidity management

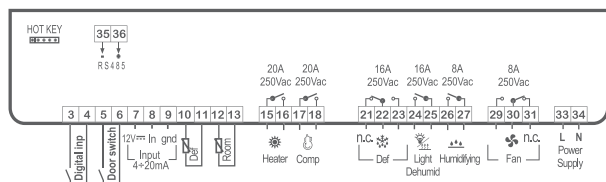
**XLH360** | Digital controller for maturing rooms with temperature and humidity management and timed cycles



230x210mm

FEATURES	XLH260	XLH360
<b>First display: n° digits</b>	± 3 d.p.	± 3 d.p.
<b>Second display: n° digits</b>	± 4 d.p.	± 4 d.p.
<b>Keyboard: push buttons</b>	6	8
<b>Power supply</b>	24, 110, 230Vac	24, 110, 230Vac
<b>Probe inputs</b>		
Thermostat	NTC	NTC
Defrost	NTC	NTC
Humidity	4÷20mA	4÷20mA
<b>Digital inputs</b>		
Alarm, block alarm, pressure switch, start defrost, energy saving, ON/OFF, AUX, holiday	config	config
Door switch	pres	pres
<b>Relay outputs</b>		
Compressor	20A	20A
Defrost	16A	
Defrost, extractor fans		16A config
Fans	8A	8A
Heater control	20A	20A
Humidifying	8A	8A
Dehumidifying, light	16A config	16A config
<b>Other</b>		
Hot Key/Prog Tool Kit output	pres	pres
Serial output	RS485 opt	RS485 opt
Buzzer	pres	pres

## XLH260



## XLH360

