

IC100 – 1 CIRCUIT – UP TO 2 COMPRESSOR CONTROLLERS

IC100 is Dixell's answer to real management and control requirements of **chiller units and heat pumps** single circuit (gas and water reversibility), with up two compressors or a single compressor with capacity stages, by means of a compact instrument, the possibility of controlling and managing system like:

air / air – "roof top"
air / water
water / water
motor-condensing
refrigeration dryers

This family of advanced multifunction controllers is available in CX or L formats to fit in with whatever space is available.

PLUS

- Single compressor stand-by
- Forced defrosting
- Combined defrosting
- Twin compressor functioning
- Open collector output polarity management
- Unloading function
- Alarm control, even in stand-by or remote off
- Alarm reset password
- 4÷20mA output for condensing management
- NTC, 4÷20mA and 0÷5V ratiometric analogue input
- Internal data logger (up to 50 alarm)
- Real time clock
- Energy saving
- Easy programming through HOT KEY or PC (PROG TOOL KIT)
- TTL (convertible in RS485) serial output with ModBUS protocol

DISPLAY ICON	MEANING
°C	Celsius degrees
°F	Fahrenheit degrees
bar	Bar
PSI	PSI
1	Compressor 1
2	Compressor 2
	Unit on - heat pump status
	Unit on – chiller
	Defrost start delay / Defrost on
	RTC
	Water pump - Supply fan
	Anti-freezing heater
	Generic alarm
L/LP	Low pressure alarm
menu	Function menu
	Stand-by unit (for L format)
	Condenser fan
	Open collector output on (for CX format)
H/HP	High pressure alarm
Vset	Dynamic set / Energy saving on
Flow!	Flow alarm



COMPLETE

The **dual display** and the **icons** display complete information about the machine status. With a single touch of one key, all main functions of the cooling system are displayed without the need to enter programming mode.







CONDENSER FAN SPEED MANAGEMENT

Whether with the CX or the L format, it's possible to manage, in proportionally, the speed of the condenser fan, without the need to use external devices; the fans are directly connected to the instrument. The loads controlled are:

- for CX format: max 500Watt up to 2A;
- for L format: max 1000Watt up to 4A.

CONNECTIONS

All the controllers of the ICHILL series, have connection for rapid wiring. Dixell offers several solutions that make the instruments compatible with other products that are already on the market.