

XC10/30CX DataSheet

CONTROLLERS for CONDENSING UNIT APPLICATIONS



Controllers for Condensing Unit Applications with Alarm Log

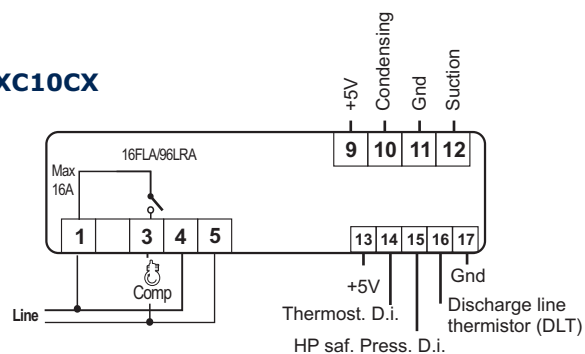
- Drastic Reduction of Electro-Mechanical Switches and Controllers
- More accurate Pressure Control
- Pressure or Temperature Probes on Suction and Discharge Lines
- Integrated Pressure Protection
- 2 Relay Outputs to Drive 2 Different Condensing Fans
- Compressor Working Time and Activation Counters

FEATURES

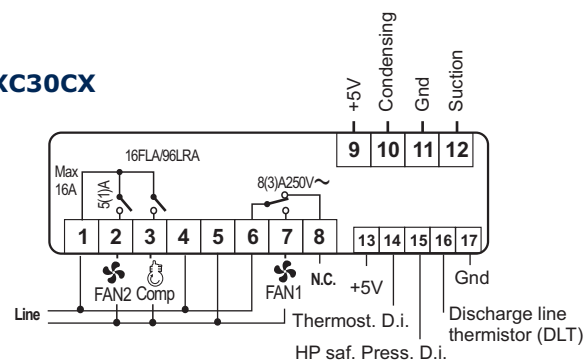
	XC10CX	XC30CX
Power Supply	110/230Vac	110/230Vac
Display	red with icons	red with icons
Keyboard	6 buttons	6 buttons
Probe Inputs		
Suction Pressure	0÷5V/NTC config	0÷5V/NTC config
Condensing Pressure	0÷5V/NTC config	0÷5V/NTC config
Discharge Temperature	PTC	PTC
Digital Inputs		
High Pressure Safety Input	1	1
Thermostat Digital Input	1	1
Relay Outputs		
Compressor	20A	20A
Fans 1		8A
Fans 2		5A
Other		
Hot Key/Prog Tool Kit Output	pres	pres
Buzzer	opt	opt

CONNECTIONS

XC10CX

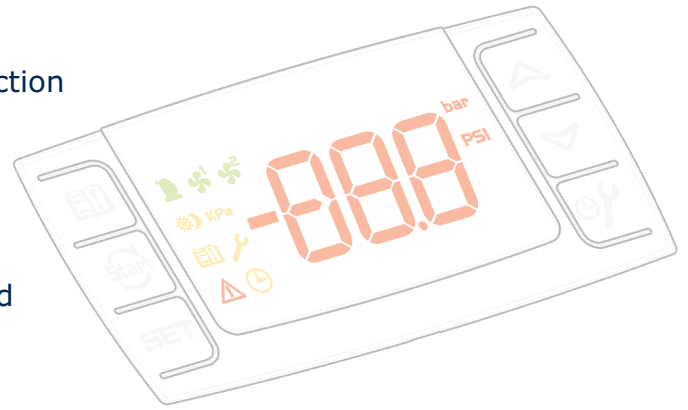


XC30CX



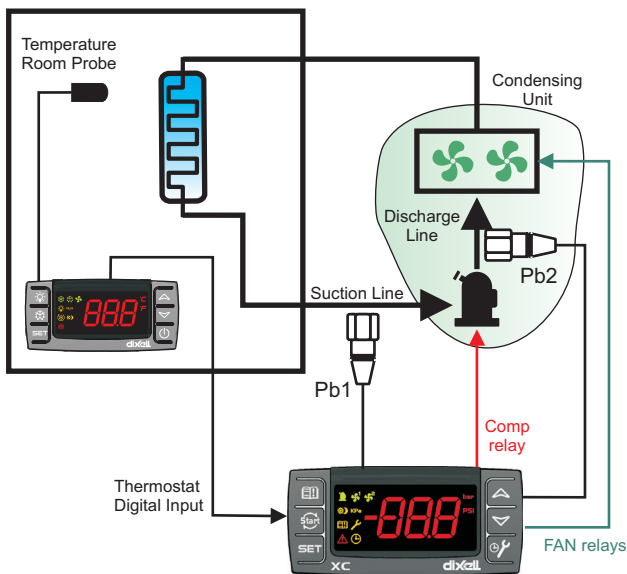
MAIN FUNCTIONS

- Error Probe Management at Start-Up to Prevent Reading Errors
- External Trigger Signal to Enable Regulation
- BUMP START Function Provides Flooded Start Protection
- High Pressure Safety Control
- Discharge Line Temperature Protection
- Condenser High Temperature Protection
- Fan Cycling Management to Share the Working Load
- Alarm Menu
- Service Menu



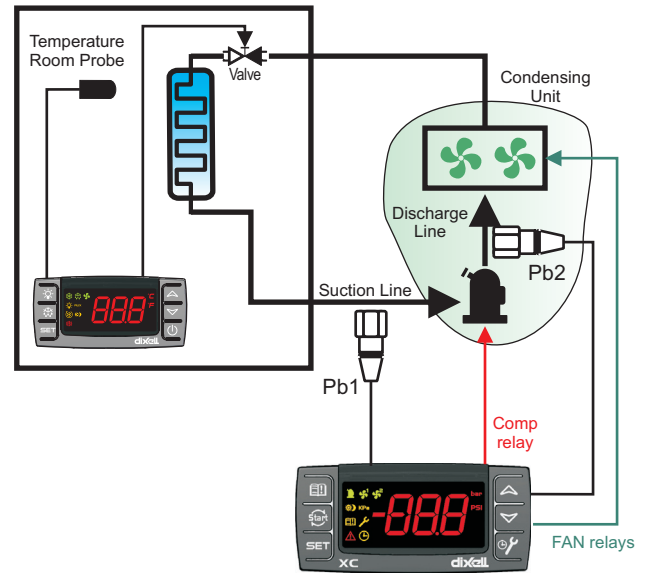
TYPICAL APPLICATIONS

TRIGGER FROM EXTERNAL THERMOSTAT



- Controls Based on Suction Pressure
- Need of an External Thermostat Device (e.g. XR60CX) to Control the Room Temperature
- Regulation is Performed only When the Thermostat Digital Input is Active
- NTC Temperature Probes Can Be Used Instead of Ratiometric Pressure Probes

PRESSURE REGULATION



- Controls Based on Suction Pressure
- Regulation will Stop After Reaching the SET Value
- NTC Temperature Probes Can Be Used Instead of Ratiometric Pressure Probes