





c-pro 3 CHILL series

Controllers for single- and dual-circuit chillers with up to 3 compressors each circuit

Controllori per chiller monocircuito e bicircuito con un massimo di 3 compressori per circuito


Main features


 Management of "on-off" and modulating fans, with single or independent condensation.
Gestione di ventilatori di tipo "on-off" e modulanti, con condensazione unica o separata


 Management of 3 "on-off" compressors for each circuit
Gestione di 3 compressori "on-off" per ciascun circuito

 Pump down valve management
Gestione della valvola di pump down

 Fully configurable I/Os
I/O interamente configurabili

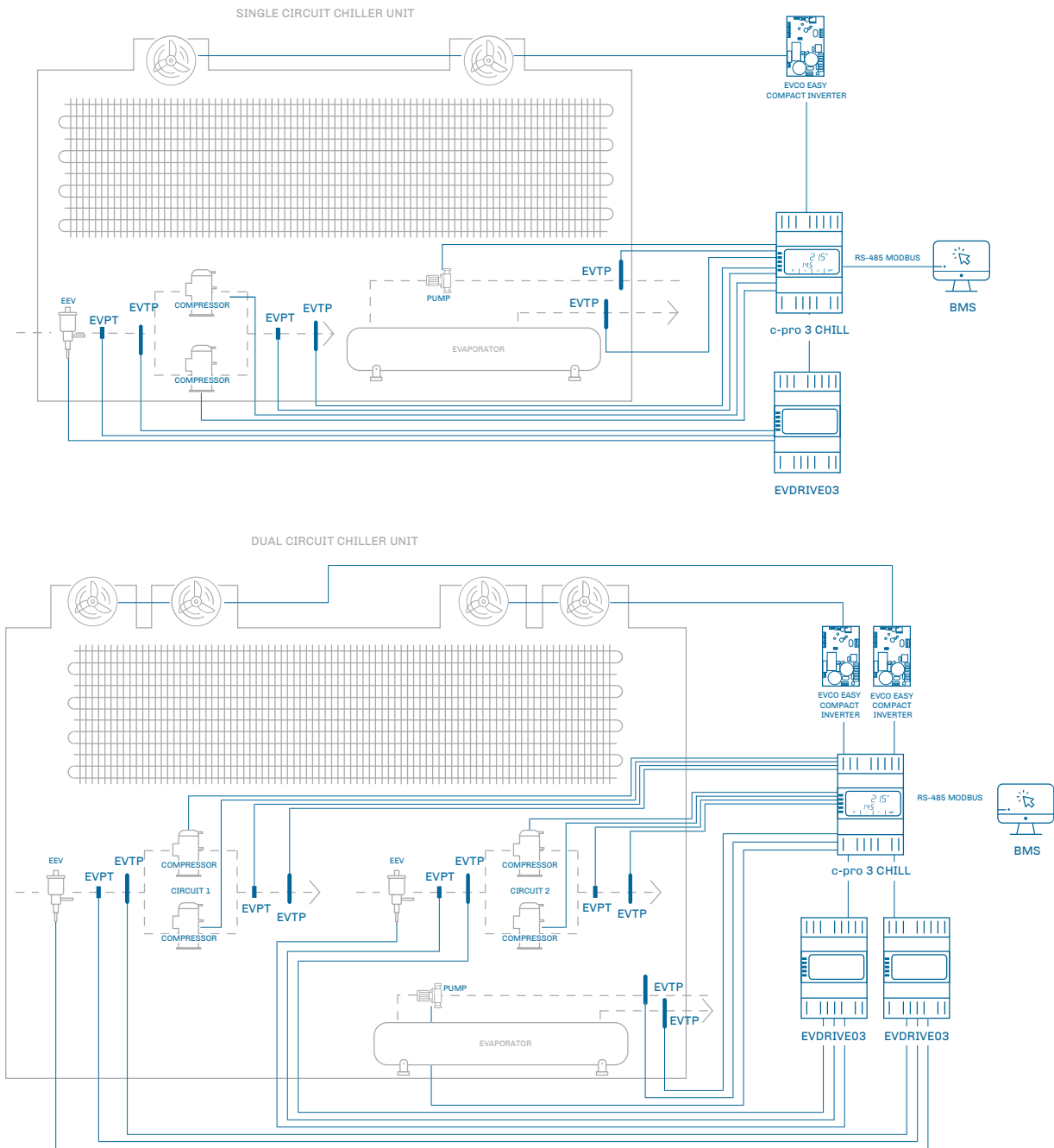
 Standard 74 x 32 mm or 4 DIN modules format
Formato standard 74 x 32 mm o 4 moduli DIN

 "Weekly programming" function
Funzione "programmazione settimanale"

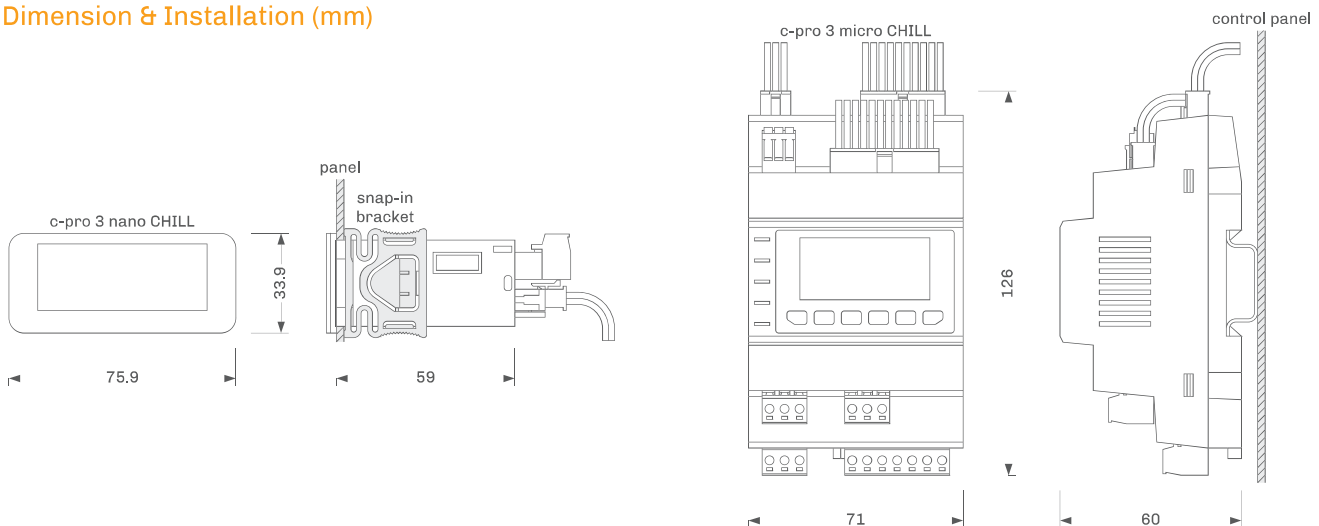
 Communication with bipolar stepper EEV driver for each circuit
Comunicazione con driver per EEV di tipo stepper bipolare per ciascun circuito

 "Free cooling" management
Gestione del "free cooling"

Possible scenarios



Dimension & Installation (mm)



Available codes & technical features

	c-pro 3 nano CHILL	c-pro 3 micro CHILL	
Purchasing codes Codici di acquisto	EPN2LXP1CH	EPU2BXP1CH	EPU2LXP1CH
REALIZATION ESECUZIONE			
Compact, in plastic box, blind <i>Compatta, in contenitore plastico, cieca</i>		•	
Compact, in plastic box, with built-in user interface <i>Compatta, in contenitore plastico, con interfaccia utente integrata</i>	•		•
FORMAT FORMATO			
74x32 mm <i>74x32 mm</i>	•		
4 DIN modules <i>4 moduli DIN</i>		•	•
USER INTERFACE INTERFACCIA UTENTE			
2-row LED display, 6 keys <i>Display LED a 2 linee, 6 tasti</i>			•
2-row LED display, 4 capacitive keys <i>Display LED a 2 linee, 4 tasti capacitivi</i>	•		
MOUNTING INSTALLAZIONE			
Panel mounting <i>A pannello</i>	•		
DIN rail mounting <i>Su guida DIN</i>		•	•
CONNECTIONS CONNESSIONI			
Micro-Fit connectors <i>Connettori Micro-Fit</i>	•	•	•
Plug-in clamp terminal blocks <i>Morsettiere estraibili a molla</i>		•	•
Plug-in screw terminal blocks <i>Morsettiere estraibili a vite</i>	•	•	•
POWER SUPPLY ALIMENTAZIONE			
12 VAC <i>12 VAC</i>	•	•	•
ANALOGUE OR DIGITAL INPUTS INGRESSI ANALOGICI O DIGITALI			
Configurable (PTC/NTC/Pt 1000 or dry contact digital input) <i>Configurabile (PTC/NTC/Pt 1000 o ingresso digitale a contatto pulito)</i>	9	9	9
Configurable (NTC/0-5 V/0-10 V/0-20 mA/4-20 mA or dry contact digital input) <i>Configurabile (NTC/0-5 V/0-10 V/0-20 mA/4-20 mA o ingresso digitale a contatto pulito)</i>	5	3	3
Configurable (PTC/NTC/Pt 1000/0-5 V/0-10 V/0-20 mA/4-20 mA or dry contact digital input) <i>Configurabile (PTC/NTC/Pt 1000/0-5 V/0-10 V/0-20 mA/4-20 mA o ingresso digitale a contatto pulito)</i>	4		
Configurable (PTC/NTC/Pt 1000/0-5 V/0-10 V/0-20 mA/4-20 mA or dry contact digital input) <i>Configurabile (PTC/NTC/Pt 1000/0-5 V/0-10 V/0-20 mA/4-20 mA o ingresso digitale a contatto pulito)</i>		6	6
DIGITAL INPUTS INGRESSI DIGITALI			
Configurable (dry contact) <i>Configurabile (a contatto pulito)</i>	5	9	9
Configurable (24 VAC/DC) <i>Configurabile (24 VAC/DC)</i>	3		
Configurable (24 VAC/DC) <i>Configurabile (24 VAC/DC)</i>		7	7
Configurable (up to 2 KHz pulse trains dry contact) <i>Configurabile (a contatto pulito per treni di impulsi fino a 2 KHz)</i>	2		
Configurable (up to 2 KHz pulse trains 24 VAC/DC) <i>Configurabile (24 VAC/DC per treni di impulsi fino a 2 KHz)</i>		2	2
ANALOGUE OUTPUTS USCITE ANALOGICHE			
Configurable (0-10 V) <i>Configurabile (0-10 V)</i>	4	6	6
Configurable (0-10 V) <i>Configurabile (0-10 V)</i>		2	2
Configurable (0-10 V/PWM) <i>Configurabile (0-10 V/PWM)</i>		2	2
Configurable (0-10 V/PWM/phase-cut) <i>Configurabile (0-10 V/PWM/a taglio di fase)</i>	2		
Configurable (0-20 mA/4-20 mA/0-10 V) <i>Configurabile (0-20 mA/4-20 mA/0-10 V)</i>	2	2	2
DIGITAL OUTPUTS USCITE DIGITALI			
Configurable (3 res. A @ 250 VAC SPST) <i>Configurabile (3 A res. @ 250 VAC SPST)</i>	7	9	9
Configurable (3 res. A @ 250 VAC SPDT) <i>Configurabile (3 A res. @ 250 VAC SPDT)</i>		7	7
Configurable (3 res. A @ 250 VAC SPDT) <i>Configurabile (3 A res. @ 250 VAC SPDT)</i>		2	2
COMMUNICATION PORTS PORTE DI COMUNICAZIONE			
INTRABUS <i>INTRABUS</i>	1		
MODBUS slave RS-485 <i>RS-485 MODBUS slave</i>	1	1	1
MODBUS master RS-485 <i>RS-485 MODBUS master</i>		1	1
CAN <i>CAN</i>	1	1	1
USB <i>USB</i>	1	1	1
OTHER FEATURES ALTRE CARATTERISTICHE			
Real time clock <i>Orologio</i>	•	•	•
Alarm buzzer <i>Buzzer di allarme</i>	•		

Compatible user interfaces



EPJgraph

16 colours LCD graphic display, 6 capacitive keys and CAN port
 Display grafico LCD a 16 colori, 6 tasti capacitivi e porta CAN

Compatible I/O expansions



c-pro EXP micro

12 VAC power supply, 20 I/Os, CAN and USB ports
 Alimentazione 12 VAC, 20 I/O, porte CAN e USB



EVD EXP

115... 230 VAC power supply, 17 I/Os and INTRABUS port
 Alimentazione 115... 230 VAC, 17 I/O e porta INTRABUS

Compatible EEV drivers



EVDRIIVE03

Blind or with built-in LCD graphic display, 24 VAC/DC power supply, unipolar stepper electronic expansion valves output, INTRABUS, MODBUS RS-485 and CAN ports
 Cieco o con display LCD grafico integrato, alimentazione 24 VAC/DC, uscita per valvole di espansione elettroniche bipolari, porte INTRABUS, MODBUS RS-485 e CAN

Available on demand



EVIF20SUXI

RS-485/USB serial interface
 Interfaccia seriale RS-485/USB



EVRMS & EVRTS

Fan speed phase-cut regulators
 Regolatori velocità ventilatori a taglio di fase



EPS4B

Backup module
 Modulo di backup



COMPACT series

Single-phase inverters for asynchronous motors - 0,75 KW, 1,5 KW, 2,2 KW @ 230 VAC
 Inverter monofase per motori asincroni - 0,75 KW, 1,5 KW, 2,2 KW @ 230 VAC



EVTP

Temperature probes for industrial environment
 Sonde di temperatura per ambienti industriali



EVPT

Pressure transducers for industrial environments
 Trasduttori di pressione per ambienti industriali



ECTSF

Transformer series
 Serie di trasformatori



SYNCRO series

Single-phase inverters for asynchronous and synchronous single-phase motors, with PFC- 4 KW, 4,8 KW, 5,5 KW @ 230 VAC
 Inverter monofase per motori asincroni e sincroni, con PFC- 4 KW, 4,8 KW, 5,5 KW @ 230 VAC