



Embrace the Air Revolution

Controllers for
Heat Pumps


Advanced Controllers



An Easy Choice for an Easy Management



Good reasons for choosing an EV HPRU solution

- › It runs HPs with 1 circuit / 2 compressors
- › It runs HPs with 2 circuits or 1 circuit / 6 compressors (through an I/O expansion)
- › It has 2 triac outputs for the direct control of fan speed and for the management of external SSRs
- › The application software is ready to use
- › It manages on-off/modulating compressors and fans
- › It is available in 12 VAC or 115... 230 VAC power supply
- › The stylish user interface fits in any design environment



Good reasons for choosing a c-pro 3 HPRU solution

- › It runs HPs with 1 circuit / 3 compressors
- › It meets any control requirement thanks to large numbers (further expandable) of I/Os
- › It runs the water tank and solar panel circuits
- › It manages the antifreeze and antilegionella functions
- › It has highly configurable I/Os
- › It manages on-off and modulating fans
- › The envelope function enables a complete control of BLDC compressors
- › The efficiency is increased thanks to an integrated management of bipolar stepper EEVs
- › The variety of ports and supported protocols promotes the integration into BMS



All the answers to your needs

EVCO develops innovative technologies with specific focus on design and ease of use to help customers monitor and control HVAC/R applications.

Our mission is to offer control solutions that keep comfortable and healthy environments while significantly saving on energy and maintenance costs. Reducing energy costs won't do much good if it comes at the expense of your systems' performance and your occupants' comfort.

We supply tools, products and services for managing and maintaining a comfortable, clean and efficient facility in compliance with the most rigorous regulations governing efficiency demands, air quality, building- and data center- energy requirements.

Greater Control. Further Flexibility. Higher Connectivity.

- › Controllers with or without display
- › I/O and driver expansion modules
- › Ready-to-use application software
- › Remote visualization with different user interfaces
- › Suitable to small or large units
- › Highly configurable I/Os

EV HPRU solution

Controllers for reversible air-water and water-water single-circuit residential heat pumps

CONTROLLERS



EVD HPRU

- › Blind or built-in LED display
- › 115... 230 VAC power supply
- › 17 I/Os
- › INTRABUS and RS-485 MODBUS ports
- › RTC



EV3 HPRU

- › Built-in LED display
- › 12 VAC power supply
- › 16 or 18 I/Os
- › INTRABUS and RS-485 MODBUS ports
- › RTC
- › Alarm buzzer

REMOTE USER INTERFACES



EVJ LCD

- › 2-row LCD display
- › 12 VAC/DC or 115... 230 VAC power supply
- › INTRABUS or RS-485 port
- › Alarm buzzer



EV3K11

- › 2-row LED display
- › 12 VAC power supply
- › INTRABUS port
- › Alarm buzzer

c-pro 3 HPRU solution

Controllers for managing reversible air-water and water-water (geothermal) single-circuit residential heat pumps with up to 2 compressors

CONTROLLERS



c-pro 3 kilo HPRU

- › Blind or built-in LED display
- › 24 VAC/DC power supply
- › 31 I/Os
- › Integrated unipolar EEV driver
- › 2 RS-485 MODBUS, CAN and USB ports
- › RTC



c-pro 3 nano HPRU

- › Built-in LED display
- › 12 or 24 VAC/DC power supply
- › 25 I/Os
- › INTRABUS, RS-485 MODBUS, CAN and USB ports
- › RTC

REMOTE USER INTERFACES



EPJgraph

- › Colour LCD graphic display
- › 24 VAC/12... 30 VDC
- › CAN port
- › Alarm buzzer

How to get more from your controller?

I/O Expansions



EVD EXP

- › 115... 230 VAC power supply
- › 17 I/Os
- › INTRABUS port

Drivers



EVDRIVE03

- › Blind or built-in LCD display
- › 24 VAC/DC power supply
- › Bipolar EEV output
- › TTL, RS-485 MODBUS and CAN ports

Accessories



EVIF22ISX
INTRABUS to RS-485
serial interface



EVIF20SUXI
RS-485 to USB
serial interface



EVRMS & EVRTS
Phase cutting speed
regulators



EVIF20TUXI
TTL to USB
serial interface

Do you need a
compact solution for
heat pump
water heaters?

Try our EV3B94



- › Built-in LED display
- › 115 -230 VAC power supply
- › 8 I/Os
- › Alarm buzzer
- › Tank stratification management
- › Antilegionella function

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