




## c-pro 3 OEM HRV series

Controllers for heat recovery ventilation units with extended functions


Controllori per unità di ventilazione meccanica con recupero di calore e funzioni estese


 On-site interaction via the app EVcontrol®  
Interazione locale grazie all'APP Evcontrol®

### Main features


- 


**Fully configurable I/Os**  
*I/O interamente configurabili*




**Flexible management of up to 4 coils with 5 control steps**  
*Gestione flessibile di 4 batterie con 5 gradini di regolazione*
- 


**Management of 5 levels of filter pressure switches each flow**  
*Gestione di 5 livelli pressostato per flusso*




**3-point regulation for all modulating loads**  
*Gestione a 3 punti per tutti i carichi modulanti*
- 

**Management of cross-flow or thermodynamic heat exchangers**  
*Gestione di scambiatori di calore a flussi incrociati, di tipo rotativo o termodinamico*



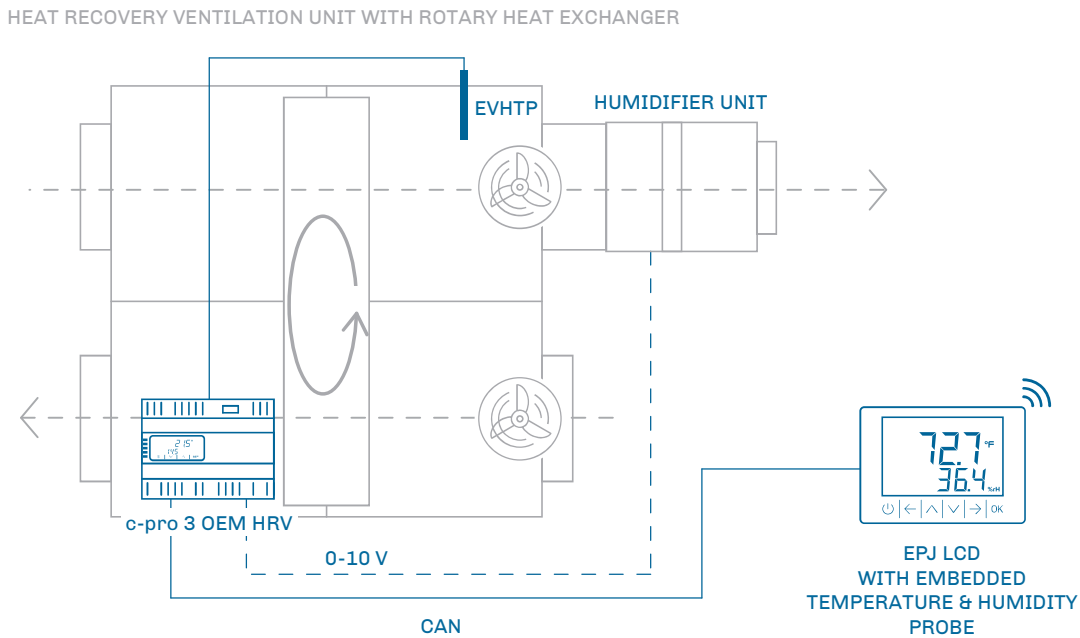
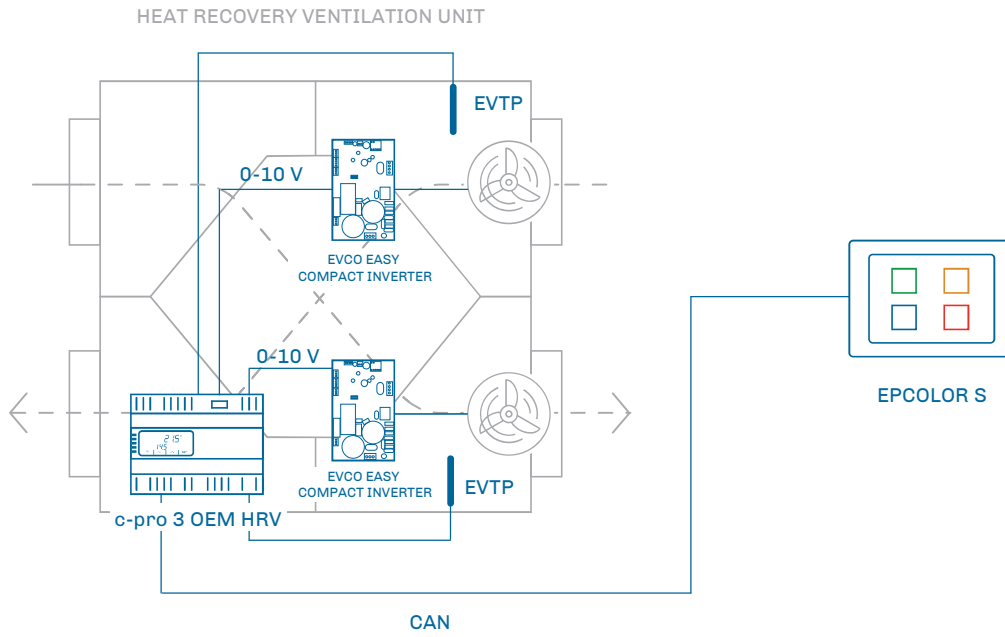
**Management of 1 or 2 compressors (ON-OFF or BLDC)**  
*Gestione di 1 o 2 compressori (ON-OFF o BLDC)*
- 

**Management of dampers and of "Free-heating" and "Free-cooling"**  
*Gestione delle serrande e del "Free-heating" e "Free-cooling"*

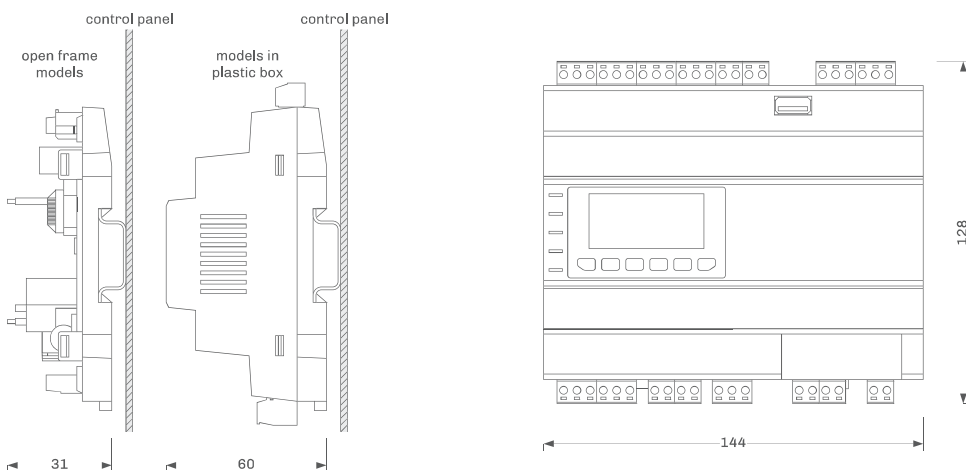


**Control of 1 or 2 fans (EC or 3-speed), with independent supply/return fan management**  
*Controllo di 1 o 2 ventilatori EC con gestione mandata/ripresa indipendenti*

## Possible scenarios



## Dimension & Installation (mm)



## Available codes & technical features

Purchasing codes   <i>Codici di acquisto</i>	c-pro 3 OEM HRV			
	EPB90RX1AH	EPB90RE1AH	EPB9BRE1AH	EPB9LRE1AH
<b>REALIZATION   ESECUZIONE</b>				
Compact, open frame, blind   <i>Compatta, in scheda a giorno, cieca</i>	•	•		
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>				•
<b>FORMAT   FORMATO</b>				
8 DIN modules   <i>8 moduli DIN</i>	•	•	•	•
<b>USER INTERFACE   INTERFACCIA UTENTE</b>				
2-row LED display, 6 keys   <i>Display LED a 2 linee, 6 tasti</i>				•
<b>MOUNTING   INSTALLAZIONE</b>				
DIN rail mounting   <i>Su guida DIN</i>	•	•	•	•
<b>CONNECTIONS   CONNESSIONI</b>				
Fixed screw terminal blocks   <i>Morsettiere fisse a vite</i>	•			
Plug-in screw terminal blocks   <i>Morsettiere estraibili a vite</i>		•	•	•
<b>POWER SUPPLY   ALIMENTAZIONE</b>				
115... 230 VAC   <i>115... 230 VAC</i>	•	•	•	•
<b>ANALOGUE OR DIGITAL INPUTS   INGRESSI ANALOGICI O DIGITALI</b>				
Configurable (PTC/NTC/Pt 1000 or dry contact digital input)   <i>Configurabile (PTC/NTC/Pt 1000 o ingresso digitale a contatto pulito)</i>	4	4	4	4
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>	3	3	3	3
<b>DIGITAL INPUTS   INGRESSI DIGITALI</b>				
Configurable (up to 2 KHz pulse trains dry contact)   <i>Configurabile (a contatto pulito per treni di impulsi fino a 2 KHz)</i>	2	2	2	2
Configurable (high voltage)   <i>Configurabile (in alta tensione)</i>	2	2	2	2
<b>ANALOGUE OUTPUTS   USCITE ANALOGICHE</b>				
Configurable (0-10 V/PWM)   <i>Configurabile (0-10 V/PWM)</i>	4	4	4	4
<b>DIGITAL OUTPUTS   USCITE DIGITALI</b>				
6	6	6	6	6
<b>ELECTRO-MECHANICAL RELAYS   RELÈ ELETTROMECCANICI</b>				
Configurable (5 res. A @ 250 VAC SPST)   <i>Configurabile (5 A res. @ 250 VAC SPST)</i>	4	4	4	4
Configurable (8 res. A @ 250 VAC SPST)   <i>Configurabile (8 A res. @ 250 VAC SPST)</i>	1	1	1	1
Configurable (16 res. A @ 250 VAC SPDT)   <i>Configurabile (16 A res. @ 250 VAC SPDT)</i>	1	1	1	1
<b>COMMUNICATION PORTS   PORTE DI COMUNICAZIONE</b>				
INTRABUS   <i>INTRABUS</i>	1	1	1	1
MODBUS slave RS-485   <i>RS-485 MODBUS slave</i>	1	1	1	1
CAN   <i>CAN</i>	1	1	1	1
USB   <i>USB</i>	1	1	1	1
<b>OTHER FEATURES   ALTRE CARATTERISTICHE</b>				
Real time clock   <i>Orologio</i>	•	•	•	•
<b>ADDITIONAL FEATURES (WITH EXTERNAL HARDWARE)   CARATTERISTICHE AGGIUNTIVE (CON HARDWARE ESTERNO)</b>				
Management via app EVcontrol with BLE Bluetooth connectivity   <i>Gestione via app EVcontrol con connettività Bluetooth BLE</i>	•	•	•	•

## Compatible user interfaces



### EVJ LCD & EPJ LCD

LCD static display, 6 capacitive keys, Bluetooth connectivity and embedded temperature/humidity sensor  
 Display statico LCD, 6 tasti capacitivi, connessione Bluetooth e sensore di temperatura/umidità integrato



### EPJgraph

16 colours LCD graphic display, 6 capacitive keys, CAN port and embedded temperature/humidity sensor  
 Display grafico LCD a 16 colori, 6 tasti capacitivi, porta CAN e sensore di temperatura/umidità integrato



### EPcolor S

3.5" capacitive TFT touch-screen colour graphic display and high degree of connectivity  
 Display grafico TFT touch-screen a colori da 3.5" ed elevato grado di connettività

## Compatible I/O expansions



### EVD EXP

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

## Available on demand



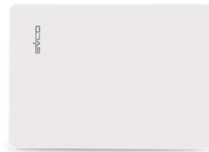
### EVIF22ISX

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



### EVIF20SUXI

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



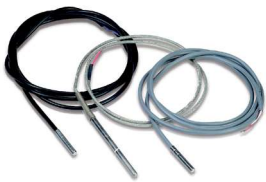
### EVJP920 & EPJP920

Temperature and humidity sensors with serial communication  
 Sensori temperatura e umidità con comunicazione seriale



### 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



### EVHTP

Humidity and temperature transducers for industrial environments  
 Trasduttori di umidità e di temperatura per ambienti industriali