




## EV CHILL series


Controllers for single- and dual-circuit chillers with up to 6 compressors


*Controllori per chiller monociruito e biciruito con un massimo di 6 compressori*





### Main features


- 


**Ready-to-use application software**  
*Software applicativo pronto all'uso*
- 


**Management of hot gas bypass valve**  
*Gestione della valvola di hot gas bypass*
- 

**Management of on-off and variable capacity compressors**  
*Gestione di compressori di tipo "on-off" e a portata variabile*
- 

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

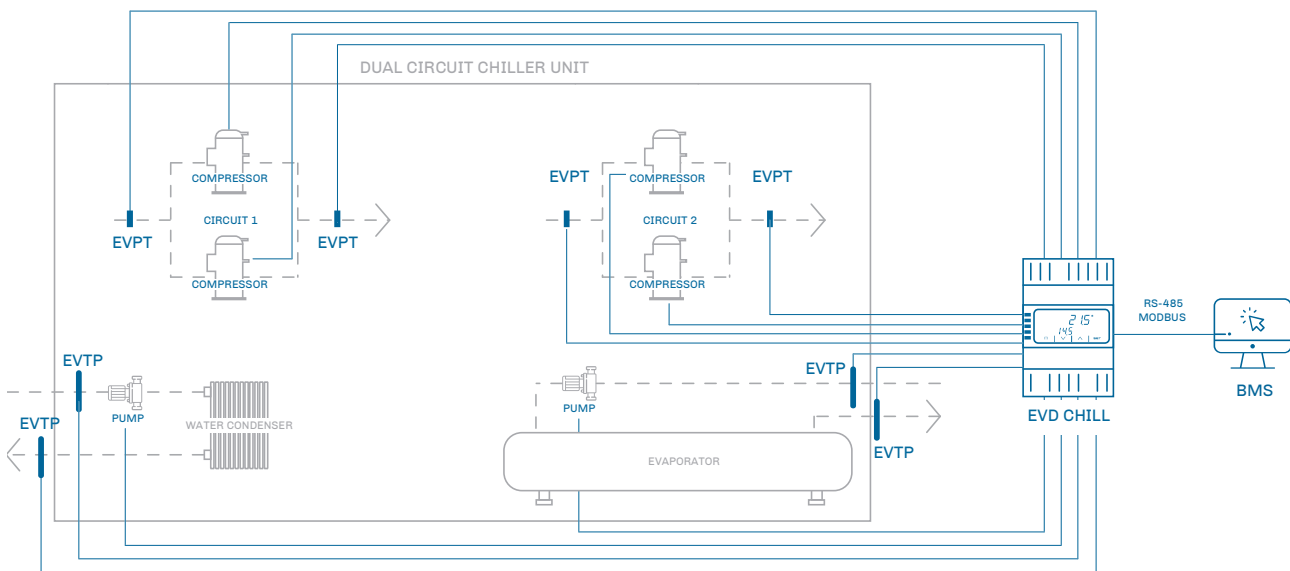
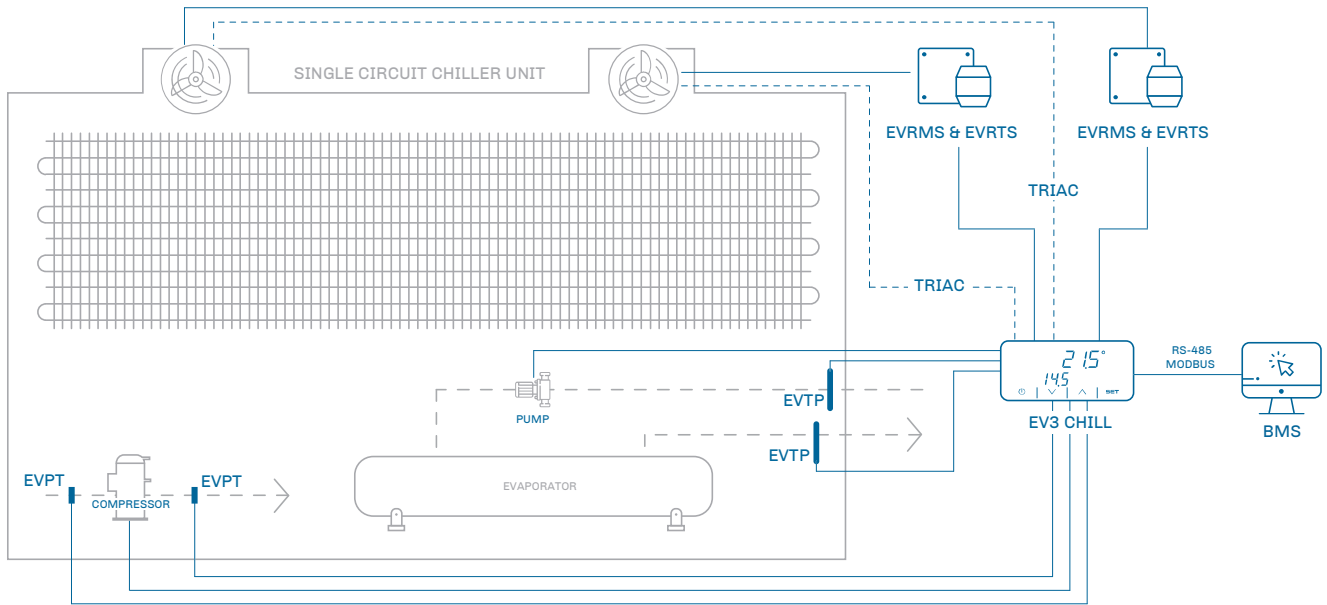
**Management of on-off and modulating fans**  
*Gestione di ventilatori di tipo "on-off" e modulanti*
- 

**2 Triac outputs for direct management of fan speed and external SSRs**  
*2 uscite Triac per la gestione diretta della velocità dei ventilatori e di SSR esterni*
- 

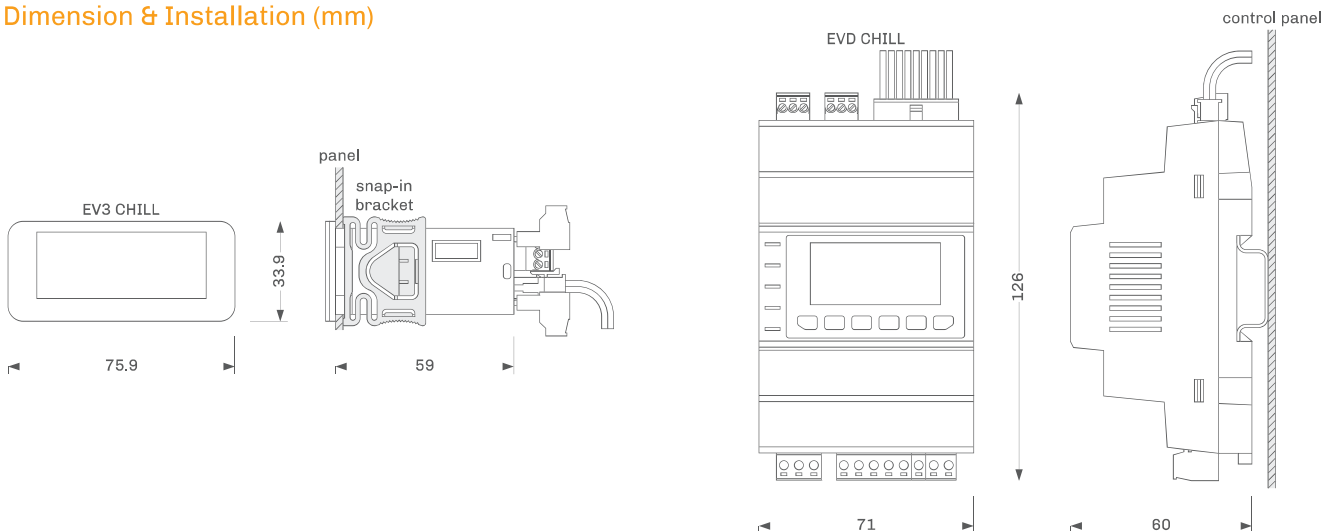
**Up to 4-step fan adjustment**  
*Fino a 4 gradini di regolazione dei ventilatori*
- 

**Management of up to 6 compressors**  
*Gestione fino a 6 compressori*

Possible scenarios



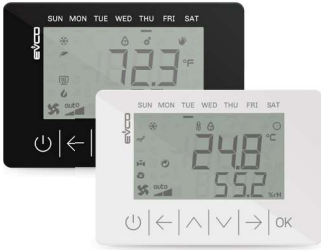
Dimension & Installation (mm)



## Available codes & technical features

	EV3 CHILL		EVD CHILL		
	EV3 904LM2	EV3 906LM2GF	EVD 904BM9	EVD 904BM9MF	EVD 904LM9MF
<b>Purchasing codes   Codici di acquisto</b>					
<b>REALIZATION   ESECUZIONE</b>					
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>					
74x32 mm   <i>74x32 mm</i>	•	•			
4 DIN modules   <i>4 moduli DIN</i>			•	•	•
<b>USER INTERFACE   INTERFACCIA UTENTE</b>					
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>	•	•			
<b>MOUNTING   INSTALLAZIONE</b>					
Panel mounting   <i>A pannello</i>	•	•			
DIN rail mounting   <i>Su guida DIN</i>			•	•	•
<b>CONNECTIONS   CONNESSIONI</b>					
Micro-Fit connectors   <i>Connettori Micro-Fit</i>	•	•	•	•	•
Edge connectors   <i>Connettori Edge</i>	•	•			
Plug-in screw terminal blocks   <i>Morsettiere estraibili a vite</i>	•	•	•	•	•
<b>POWER SUPPLY   ALIMENTAZIONE</b>					
12 VAC   <i>12 VAC</i>	•	•			
115... 230 VAC   <i>115... 230 VAC</i>			•	•	•
<b>ANALOGUE OR DIGITAL INPUTS   INGRESSI ANALOGICI O DIGITALI</b>					
Configurable (NTC or dry contact digital input)   <i>Configurabile (NTC o ingresso digitale a contatto pulito)</i>	5	5	5	5	5
Configurable (NTC/0-5 V/0-10 V/4-20 mA or dry contact digital input)   <i>Configurabile (NTC/0-5 V/0-10 V/4-20 mA o ingresso digitale a contatto pulito)</i>	2	2	2	2	2
<b>DIGITAL INPUTS   INGRESSI DIGITALI</b>					
Configurable (dry contact)   <i>Configurabile (a contatto pulito)</i>	1	1	1	1	1
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	2
<b>ANALOGUE OUTPUTS   USCITE ANALOGICHE</b>					
Configurable (0-10 V/PWM/phase-cut)   <i>Configurabile (0-10 V/PWM/a taglio di fase)</i>	2	2	2	2	2
<b>DIGITAL OUTPUTS   USCITE DIGITALI</b>					
<b>ELECTRO-MECHANICAL RELAYS   RELÈ ELETTROMECCANICI</b>					
Configurable (3 res. A @ 250 VAC SPST)   <i>Configurabile (3 A res. @ 250 VAC SPST)</i>	4	4	2	2	2
Configurable (8 res. A @ 250 VAC SPDT)   <i>Configurabile (8 A res. @ 250 VAC SPDT)</i>			1	1	1
Configurable (12 res. A @ 250 VAC SPST)   <i>Configurabile (12 A res. @ 250 VAC SPST)</i>			1	1	1
<b>TRIAC   TRIAC</b>					
Configurable (200 mA @ 250 VAC)   <i>Configurabile (200 mA @ 250 VAC)</i>		1			
Configurable (2 A @ 250 VAC)   <i>Configurabile (2 A @ 250 VAC)</i>		1			
<b>OPEN COLLECTOR   OPEN COLLECTOR</b>					
Configurable (12 V 40 mA max.)   <i>Configurabile (12 V 40 mA max.)</i>			1	1	1
<b>COMMUNICATION PORTS   PORTE DI COMUNICAZIONE</b>					
INTRABUS   <i>INTRABUS</i>	1	1	1	1	1
MODBUS slave RS-485   <i>RS-485 MODBUS slave</i>		1		1	1
<b>OTHER FEATURES   ALTRE CARATTERISTICHE</b>					
Real time clock   <i>Orologio</i>		•		•	•
Alarm buzzer   <i>Buzzer di allarme</i>	•	•			•

## Compatible user interfaces



### EVJ LCD

LCD static display, 6 capacitive keys and Bluetooth connectivity  
 Display statico LCD, 6 tasti capacitivi e connessione Bluetooth



### Vled 3

2-row LED display, 4 capacitive keys and IP65 protection  
 Display LED a 2 righe, 4 tasti capacitivi e protezione IP65

## 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

## 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



### EVIF22ISX

INTRABUS/RS-485 serial interface. It also works as programming key for the solutions EV HRV/CHILL/HPRU  
 Interfaccia seriale INTRABUS/RS-485. Funge anche da chiave di programmazione per le soluzioni EV HRV/CHILL/HPRU



### EVIF20SUXI

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



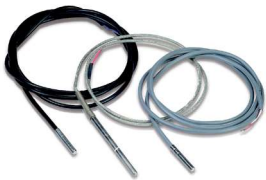
### EVRMS & EVRTS

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



### 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