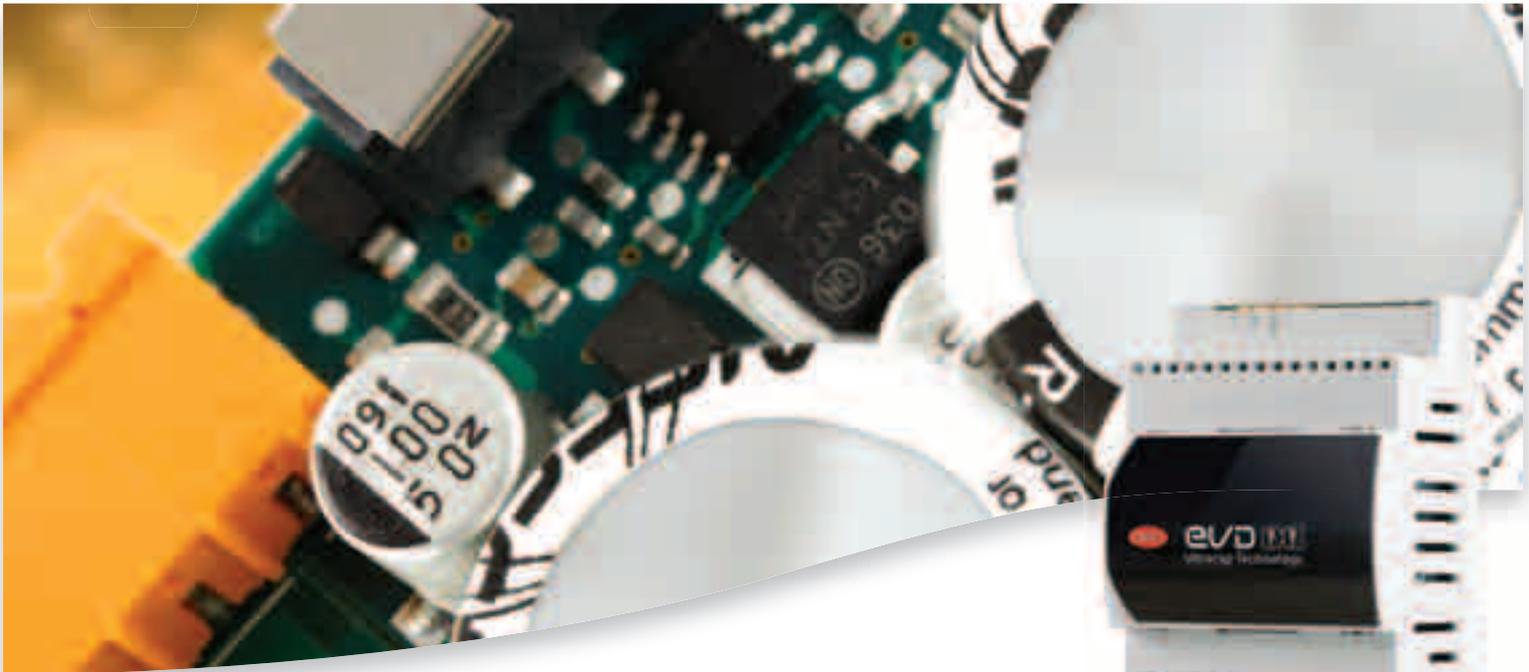




connectivity and supervision systems, drivers and valves  
electronic expansion valves and drivers



## Ultracap technology for EVDevo no-compromise reliability

There's no reason to continue installing solenoid valves!

Ultracap is the new emergency power supply device for electronic valves, the natural completion of the EVDevo, range both single and Twin versions, ensuring complete closing of the valves even when there are sudden mains power failures.

Exploiting ELDC (Electric Double Layer Capacitor) technology, Ultracap can supply immediate, reliable and clean emergency energy, representing a major step forwards compared to conventional battery-based systems, including as regards disposal of used materials.

Ultracap has been designed to give 10 years' trouble-free silent operation, without requiring periodical checks or having to replace the batteries.

Ultracap means immediate energy: just 5 minutes (4 minutes for Carel valves) after power is restored, the system is already recharged and active (in practical terms the same time the compressor takes to restart...).

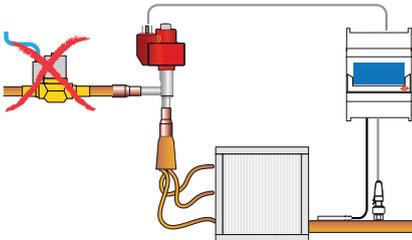
**The extreme reliability of Ultracap combined with the exceptional tightness of Carel valves, eliminates the need for solenoids valves even in the most critical applications.**

- Designed to ensure reliability;
- Simple to install: no configuration required;
- Just 5 minutes to recharge;
- Environmentally-friendly: no dependence on any type of batteries;
- Supports up to two EEVs (including other brand valves);

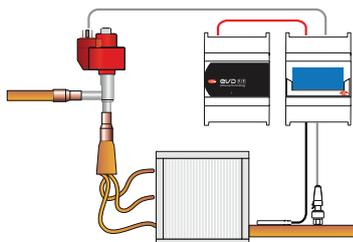
## Applications

Ultracap (code: EVD0000UC0) combined with the tight seal of the ExV renders both battery backup systems and solenoid valves obsolete.

### Traditional solution with solenoid valve



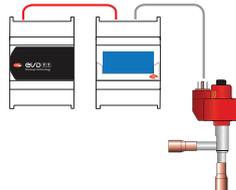
### Solution with ultracap



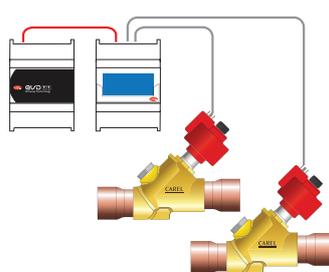
Ultracap can be connected to the EVDEvo as well as all the pCO5 family controllers, with extremely simple installation, just like connecting a battery module.

The long life and high reliability guaranteed by Ultracap enhance the already renowned qualities of the ExV family valves.

### Ultracap with single driver



### Ultracap with twin driver

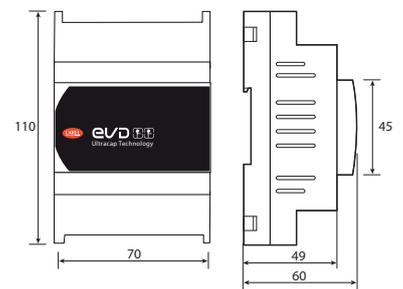


Ultracap guarantees emergency closing operations for single or Twin EVDEvo drivers that control one or two valves, either made by CAREL or other manufacturers.

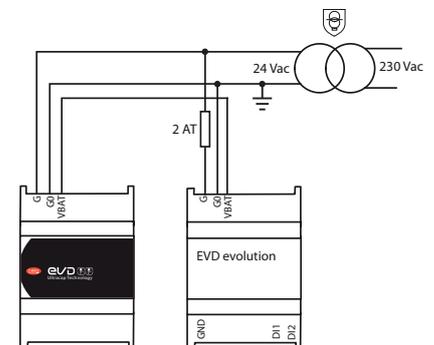
## Technical specifications

Power supply	24 Vac $\pm$ 15%
Recharge times	4 min. for 2 CAREL ExVs; 5 min. for 2 EEVs made by other manufacturers;
Operating conditions	-25T60 °C, < 90% RH non-condensing
Maximum cable length	5 m
Installation	DIN rail

## Dimensions (mm)



## Connection diagram



### Continuous, reliable operation

10 years' estimated reliability



### Competitive pricing

No solenoid valve needed



### Environmentally compatible

Safety in emergencies without battery maintenance costs

## Headquarters ITALY

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## Sales organization

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CAREL China - [www.carel-china.com](http://www.carel-china.com)  
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