



CAREL

precision and shelter units
the complete control

T e c h n o l o g y & E v o l u t i o n

Solution for Close Control Units



- Water level conductivity and current measures
- Fill / Drain regulation
- Alarms management



- PWM analogue outputs
- Extended temperature range -25T70 °C
- Integrated humidifier control



- Stand-alone fan speed controller
- Low noise function
- Pressure/Temperature control
- Optional RS485 communication

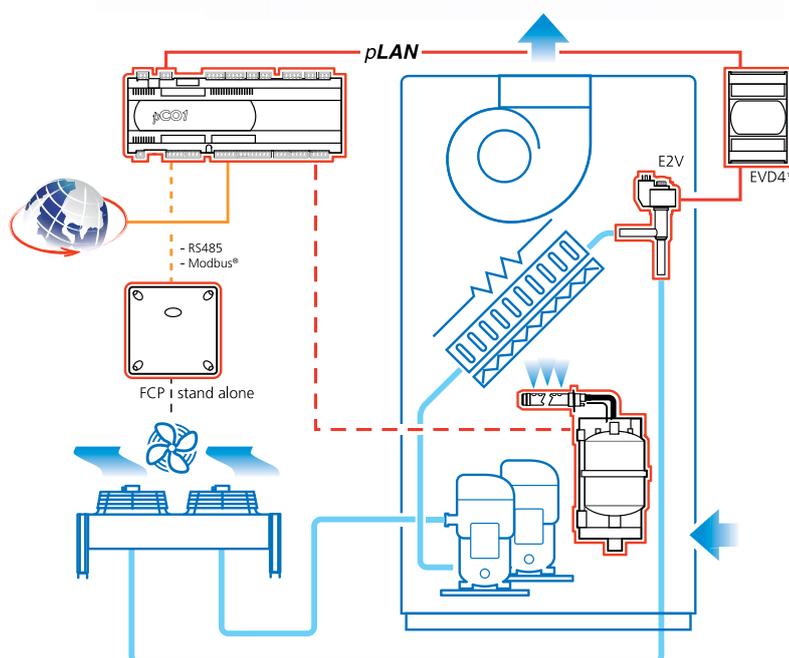
The CAREL solution for Close control units allows the management of either direct expansion or water coils, including control of the condenser, a built-in or external humidifier and electronic expansion valves.

The maximum configuration includes 2 circuits (max.1 compressor + 1 unloader per circuit) for DX units and 2 water valves (cooling and heating) for CW units.

Up to 8 units can be connected in a local network, so to manage the alarms and optimise operating hours.

As well as connection to the most commonly used BMS, SMS (text) messages can also be sent and received via GSM modem to and from mobile phones. The software also logs the alarms and events, storing them to the memory expansion.

The logs can be accessed via PC and an RS485 connection. A shared display allows all the connected units to be configured and managed using just one terminal.



Solution for Shelter Units

- 24 Vac or 22 to 60 Vdc power supply
- Voltage-free contacts
- MP-BUS® / tLAN native serial connection



- High protection level (IP65)
- Icons customization
- Three different fonts available
- Different text size



- Super-heat regulation
- Energy savings
- MOP / LOP conditions
- Low noise function

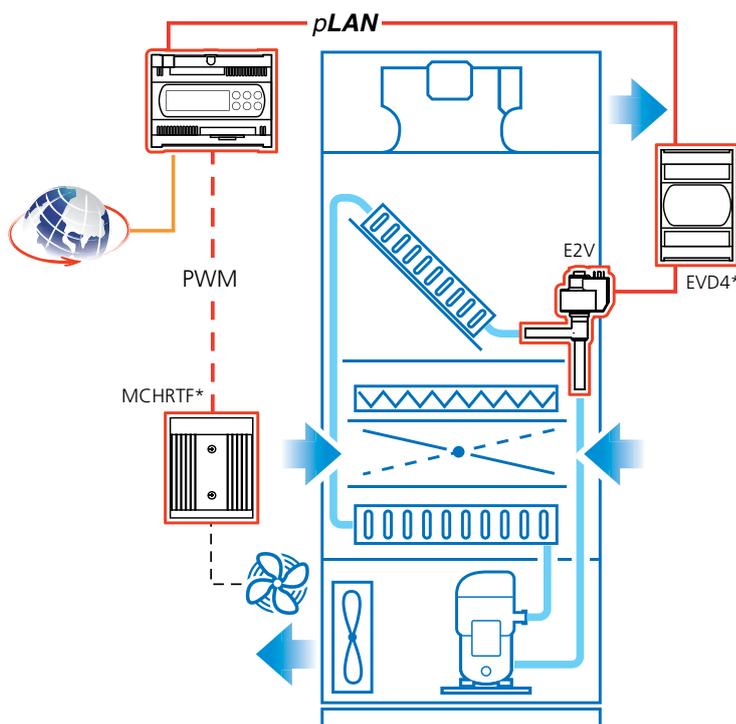
CAREL offers a solution for managing individual and multiple shelter units (max. 8) for mobile telephone applications.

In addition to the management of compressors, fans and heaters, the outside air damper can also be controlled for implementing the free-cooling function.

The electronic expansion valve guarantees stable superheat control and energy savings.

Furthermore, the speed of the condenser fans can be controlled using the FCP* or MCHRTF* devices.

A specific and efficient alarm management procedure is activated in the event of break-ins, fire or power failures.



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