



**pCO<sup>XS</sup>**

## **pCO<sup>XS</sup>: a new star in the “pCO sistema” family**

pCO<sup>XS</sup> came about because of the need to provide the functions of the “pCO sistema” programmable controller family to all those applications that were covered only by parametric controllers until now. Thanks to this new controller, the control software for single-circuit chillers and heat pumps, small roof-top units, and precision air conditioners, can be quickly customised based on each manufacturer's requirements.

The characteristics of the pCO<sup>XS</sup> perfectly suit the requirements of the manufacturers of air-handling units. For this reason, a dedicated version with MP-Bus protocol by Belimo is now available. It requires a single 2-wire cable and allows easy connection to all the actuators of the unit (max 8) and an active or passive sensor directly to each actuator in this way, large units can be controlled at affordable costs. Furthermore, the pCO<sup>XS</sup> is guaranteed for full compatibility with all the current user interfaces of the “pCO sistema” (LED, alphanumeric LCD, graphic LCD), with all the controllers of the “pCO sistema” (pCO<sup>B</sup>, pCO<sup>C</sup>, pCO<sup>1</sup>, pCO<sup>2</sup>), and with all the modules integrated into a pLAN local network (FCM speed regulation modules, drivers for electronic expansion valve, controller for ducted units and small air roof-top units).

The small size (8 DIN modules) of the pCO<sup>XS</sup> controller, the number of inputs/outputs (21 in total), and the wide range of accessories that has always characterised the pCO controllers series, make this latest model a versatile and competitive solution for all the OEMs in the Air-Conditioning sector.

**Applications:**

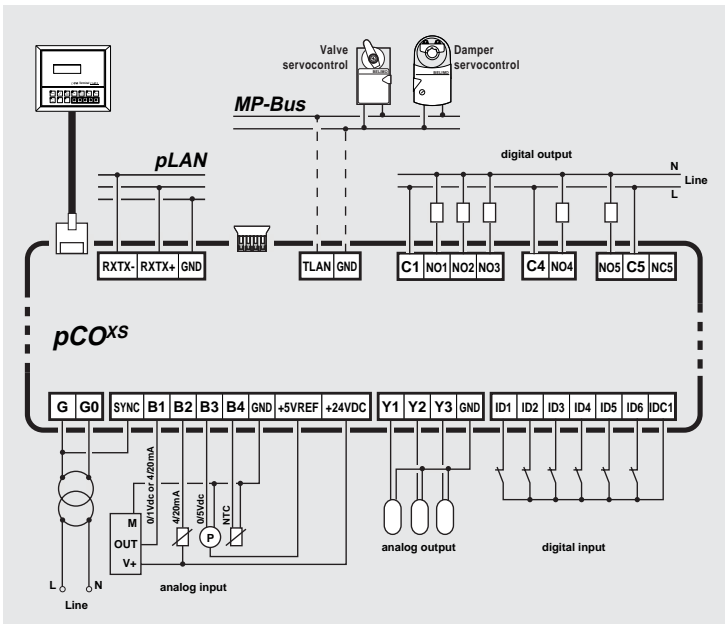


**Technical characteristics**

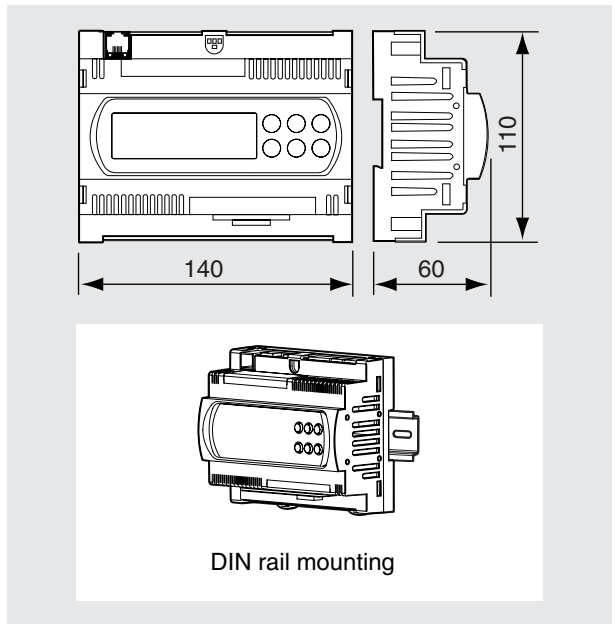
Operating conditions	-10T60, 90% rH non cond.
Storage conditions	-20T70, 90% rH non cond.
Index of protection	IP20, IP40 front panel only
Power supply	20/60Vdc e 24Vac $\pm$ 15% 50/60Hz
Terminal block	plug-in screw connectors
Digital input	6 inputs from free contacts
Analogue input	4 (2 universal type: NTC, 0/1Vdc or 0/5Vdc ratiometric, 4/20mA and 2 passive type: NTC, 0/5Vdc)
Digital output	5 relays (2 SSR)

Analogue outputs	3 (2: 0/10Vdc type and 1: PWM type)
Serial line	3 (BMS, iLAN-MPbus, pLAN)
Available versions	PCO1000AX0 without built-in terminal PCO1000BX0 with built-in terminal PCO1002AX0 without built-in terminal and 2 SSR PCO1002BX0 with built-in interface and 2 SSR PCO1MP0AX0 without built-in terminal and MPbus interface PCO1MP0BX0 with built-in terminal and MPbus interface

**Electrical wiring**



**Dimensions**



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