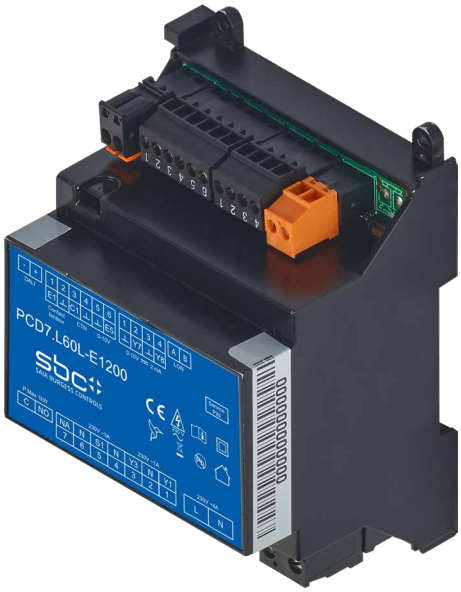
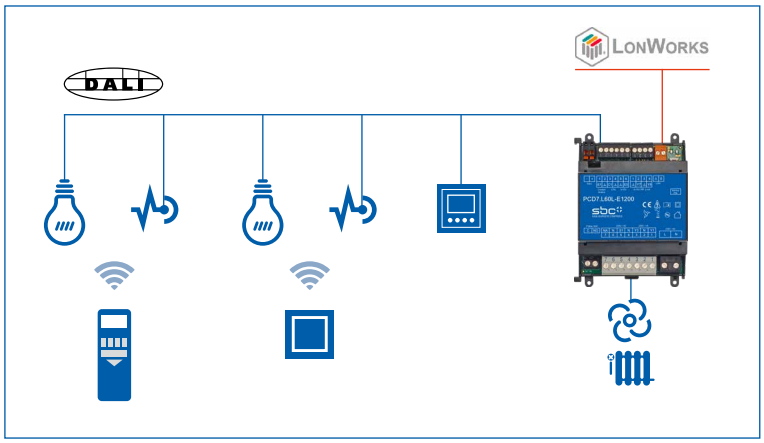
PCD7.L60L-E1200
Lighting controller – CVC



Our compact PCD7.L60L-E1200 controller, based on the open, cross-platform network technology LonWorks®, is used to provide office comfort: it controls temperature and lighting. If complemented with an extension module, the system can also operate blinds.



Key advantages

- a single device is used to operate temperature and lighting
- open communication protocols: LonWorks®, DALI, SARAH
- direct control of DALI ballasts
- 1 inlet port for isolated windows contacts
- 2 outlet ports 0 to 10 V

The PCD7.L60L-E1200 is designed to operate devices, such as fan coil heaters, chilled beams, heated/chilled ceilings, etc.
They can operate hot and cold batteries, 2 or 4 ducts, with or without electric batteries.
It is particularly suitable for operating variable speed fans. It can also operate DALI standard lighting.

Functions

- Temperature control via hot and cold valves and an electric battery
- Variable speed ventilation control
- Air quality control via air intake or variable speed ventilation
- Limitation to the use of electric battery (discharge)
- Integrated testing function for the direct control of outlet ports
- Operation of lighting via the DALI network
- Operation of blinds via an extension module or a LonWorks® network
- Creation of a DALI network, connecting the lighting controller to ambient control units and multi-sensors
- Pre-configured for autonomous operation, without the need for SBC accessories (multi-sensors, ambient control units, etc.)

Mechanical characteristics

Material	PC UL94 V0
Dimensions	71 × 90 × 59 mm
IP	IP2x
Weight	350 g

Connections

– Plug-in terminals
– Except electric battery: non-detachable screw terminal

Standards/Warranties

DIRECTIVE 2014/35/EU "LOW VOLTAGE"
DIRECTIVE 2011/65/EU "ROHS DIRECTIVE"
DIRECTIVE 2014/30/EU "ELECTROMAGNETIC COMPATIBILITY"

Inlet ports

1 TOR inlet port for window or auxiliary contacts
– max length 100 m
– impedance less than 600 ohms

1 CTN inlet, 10K (10 kOhms)

reference
- VF10-1B65NW Immersion sensors 150 mm
- VF10-5B65NW Immersion sensors 50 mm
- KTF10-2B65 Cable probes 2 m

+ or –0.1°C outside probe at 20°C

max length 3 m

1 inlet 0 to 10 V
– Software application identical to the PCD7.L60L line.

Electrical specifications

Power supply	100 to 240 V / 50 to 60 Hz
Stand-by power	0.6 W
Max current	4 A
Protection	4 A Class D breaker

Network connections

2 DALI terminals, dual connection without polarity
Wiring either with 2 HO5VK wires of 0.5 to 1.5 mm
or a single-pair SYT1 cable of 0.9 mm^2
DALI outlet port: Max current, 200 mA
2 LonWorks® terminals: cable type BELDEN 7701NH

Environment

Operating temperature	5°C to +45°C
Storage temperature	–20°C to +70°C
Relative humidity	+20% to +90% without condensation

Outlets

1 relay port S1 / 230 V / 3 A maximum
– for fans or variable speed flap motors

2 outlet ports, 0 to 10 V, 2 mA max
– for operating variable speed motors or other
– or valve, 0 to 10 V or other
– Dry contact NO/NF
– maximum power 1 kW resistive, alternate current up to 2 kW available on request
– max 5 A; 16 A max on start-up
– maximum number of manoeuvres: 300,000
– max. 230 V

2 Triac outlet ports for 2 thermal valves
– Max start-up current 3 A
– Permanent current 1 A

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