

DEL-SYS

SCC LON Controller

Product data sheet

Ref : DL-110

Description

The Space Comfort Controller (SCC) is a DEL-SYS range terminal controller.

It enables appropriate and economical management of thermal comfort and air quality in work spaces.



Fan coil units



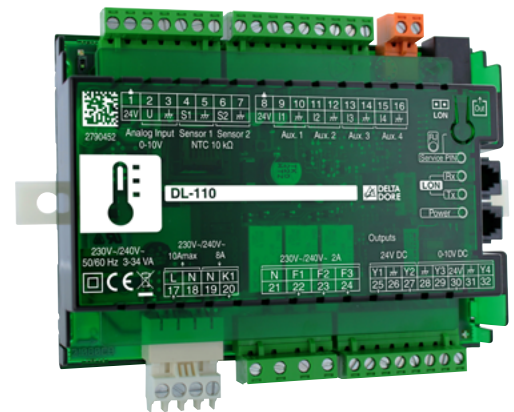
Chilled beam



Radiating ceiling



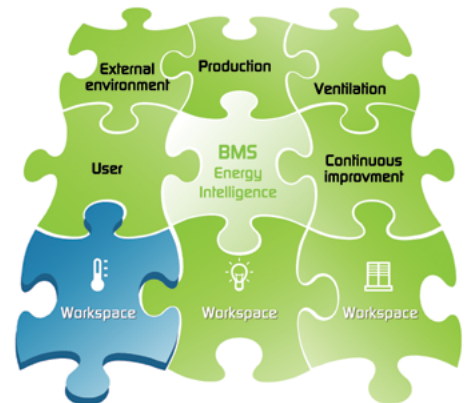
Air quality



Efficiency class A+

Interconnected to all elements in our general range, the DL-110 controller develops effective functionalities to meet the most exacting energy standards (EN 15232) while achieving maximum.

- Predictive management
- Terminal load control
- Combined management in workspaces
- Multiple metering
- Coupling with ventilation production
- Eco-behaviour



Strengths

Improved performance

Optimum coupling with the BMS for A+ energy intelligence functions.

Optimisation of costs and modularity

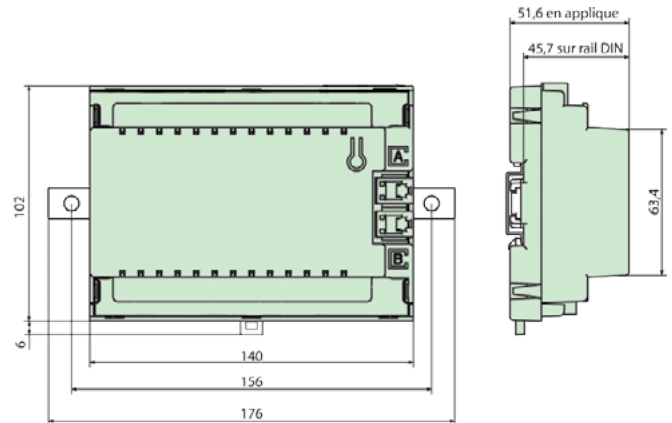
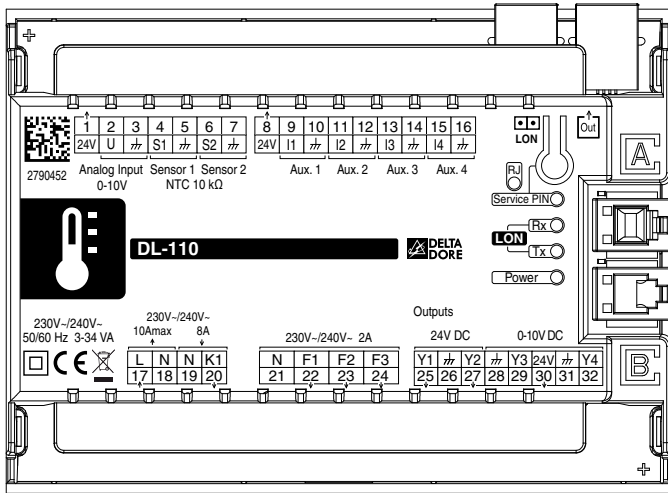
- Supply to sensors and actuators by the controller.

Wiring

- Quick wiring using RJ9 connectors,
- Wiring made easy with the use of dedicated screen printing
- Simplified maintenance with the use of removable terminal blocks

Eco-design

The DEL-SYS range is the result of an eco-design approach and has a low consumption.



Applications

> Control of installations:

- 2 pipes, 2 pipes/2 wires and 2 pipes/change-over,
- 4 pipes and 4 pipes/2 wires

> Control and Management:

- air blowing and room temperature
- limitation of the air blowing temperature
- locking of the production mode according to the air blown
- ventilation (3 speeds or variable speed)
- air quality by action on the air damper
- zone-by-zone time programme and configuration

> Communication with room sensors, multi-sensors and remote-control

> Consideration of occupancy and intermittence (motion detection and room terminals)

> Window contact management

> Free management of 3 on/off contacts, (e.g. change-over, motion, fault, dew point sensor).

Technical features

Supply	230/240V AC, 50/60 Hz
Inputs	4 on/off, 2 NTC sensors, 1 0-10V analogue input
Outputs	3 2A relay outputs, 1 8A relay output (limited to 2kW) 2 24V DC valve outputs, 2 0-10V outputs
Communication port	2 RJ9 ports 1 RJ12 port
External elements	3 24V DC supply to external elements
Connections	removable terminal blocks
Processor	Neuron FT5000
Operating temperature	0 to 40°C
Protection	IP20
Insulation	Class II
Fire classification	V2
Dimensions	140 x 102 x 52 mm

Reference numbers

DL-110 SCC LON terminal controller

Peripherals

DS-TS-10	3m 10kOhm NTC return air sensor
DS-AQ-10	CO2 Air quality sensor
DS-DP-01	Dew point sensor
DWM-10	Room Temperature sensor
DWM-20	LCD HVAC room sensor
DWM-21-1	LCD MODE Hygro sensor

eu.bac certification

DL-110 is eu.bac certified and got the following CA values :

Applications	Mode	CA
Fan Coil units 2 pipes	Heating	0,3
	Cooling	0,2
Fan Coil units 2 pipes 2 wires	Heating	0,2
	Cooling	0,2
Fan Coil units 4 pipes	Heating	0,2
	Cooling	0,1
Chilled ceilings	Cooling	0,1

CA obtained with a temperature sensor NTC 10kOhms 25°C