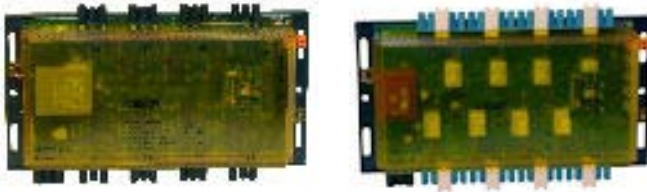


CTR-4L / 8L and CTR-4LD / 8LD Series

Lighting controllers: On/Off or 1-10VDC dimming

DAVIDON® range

Overview



The lighting controllers allow the control of up to 4 or 8 on / off or 1-10VDC dimming light outputs.

They can work in 'stand alone' mode or connected to a Building Management System (BMS) with an open and interoperable network: LonWorks.

Applications

- The lighting controllers bring an optimized comfort and energy savings within office buildings or open areas.
- A comprehensive range: on / off or dimming lighting management, 4 or 8 light outputs.
- Used jointly with our graphic configuration software, they build a modular solution in case of repartitioning: no requirements to modify your installation.

Features & Benefits

- The controllers can work in 'stand alone' mode or integrated into a BMS.
- Modular solution: they are adapted in case of an office repartitioning.
- One controller to manage lighting in several rooms (depending on your installation).
- Window and corridor sides can be controlled independently.
- All controllers on the LonWorks network enable the occupancy mode, the lighting intensity, the fan speed, the temperature set-point and the temperature reading (for a multi-discipline management).
- A comprehensive accessories range that is fully compatible with our controllers: orders emitted by a remote control, presence and Lux level measure information given by multi-sensors.
- Installation on a double DIN rail or fixed on the wall.
- All controllers are provided with 'pluggable connectors' for an easier connection into the ceilings.
- All controllers perform positive security by automatically turning ON all the lights when a defect is detected.
- "Pin Service": push button in front of the controllers.

For more information about controllers' installation, please refer to the hardware installation guide.

Product Warranty & Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company.

Lighting controllers

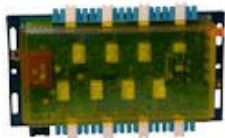
On / Off



CTR-4L 230 VAC lighting controller, 4 on / off outputs

CTR-8L 230 VAC lighting controller, 8 on / off outputs

1-10VDC Dimming



CTR-4LD 230 VAC lighting controller, 4 1-10VDC dimming outputs

CTR-8LD 230 VAC lighting controller, 8 1-10VDC dimming outputs

Note:
Work in manual mode: it only enables orders sent by users (installation with a receiver and a remote control).
Work in automatic mode: manual mode features + automatic regulation of comfort parameters (installation with a multi-sensor and a remote control OR an infrared receiver with Lux level sensor and a remote control).

Complementary Products

Receivers

Infrared, radio or EnOcean receivers. They receive orders emitted by remote controls.



RIR-I Transparent infrared receiver (slotted into ceilings)



RIR-L White infrared receiver and Lux level sensor (slotted into ceilings)

RIR-B White infrared receiver (slotted into ceilings)



RFR-D 4 channel radio receiver (hidden in ceilings)

RFR-D-ENOCEAN 4 channel EnOcean radio receiver (hidden in ceilings)

Mini multi-sensors

Infrared and radio multi-sensors. Slotted into ceilings, they receive orders emitted with remote controls.



MS2-I-P Infrared mini multi-sensor: presence detection

MS2-I-PL Infrared mini multi-sensor: presence detection and Lux level measure



MS2-I-PLT Infrared mini multi-sensor: presence detection, Lux level and temperature measures

MS2-R-PL Radio mini multi-sensor: presence detection and Lux level measure

MS2-R-PLT Radio mini multi-sensor: presence detection, Lux level and temperature measures

Multi-disciplines or mono-discipline remote controls


Infrared, radio and EnOcean remote controls range. They allow users to adjust lighting in a room.

	TCND-I*	White infrared multi disciplines remote control: lighting, sunblind, temperature and fan speed control
	TCND-IT-PM*	White infrared multi disciplines remote control with wall-mounted support for irremovable TCND: lighting, sunblind, temperature and fan speed control + temperature probe
	TCND-R*	White radio multi disciplines remote control: lighting, sunblind, temperature and fan speed control
	TCND-RT-PM*	White radio multi disciplines remote control with wall-mounted support for irremovable TCND: lighting, sunblind, temperature and fan speed control + temperature probe
	TCND-ENOCEAN	White EnOcean multi disciplines remote control with wall-mounted support for irremovable TCND: lighting, sunblind, temperature and fan speed control + temperature probe
	TCIR-L	Infrared remote control: lighting control
	TCIR-L-PM	Infrared remote control with wall-mounted support (fixed remote control): lighting control

* Also available in grey: TCND-I-G, TCND-IT-G-PM, TCND-R-G, TCND-RT-G-PM


Push-button interface

Allows to directly connect push-buttons or switches to lighting controllers.

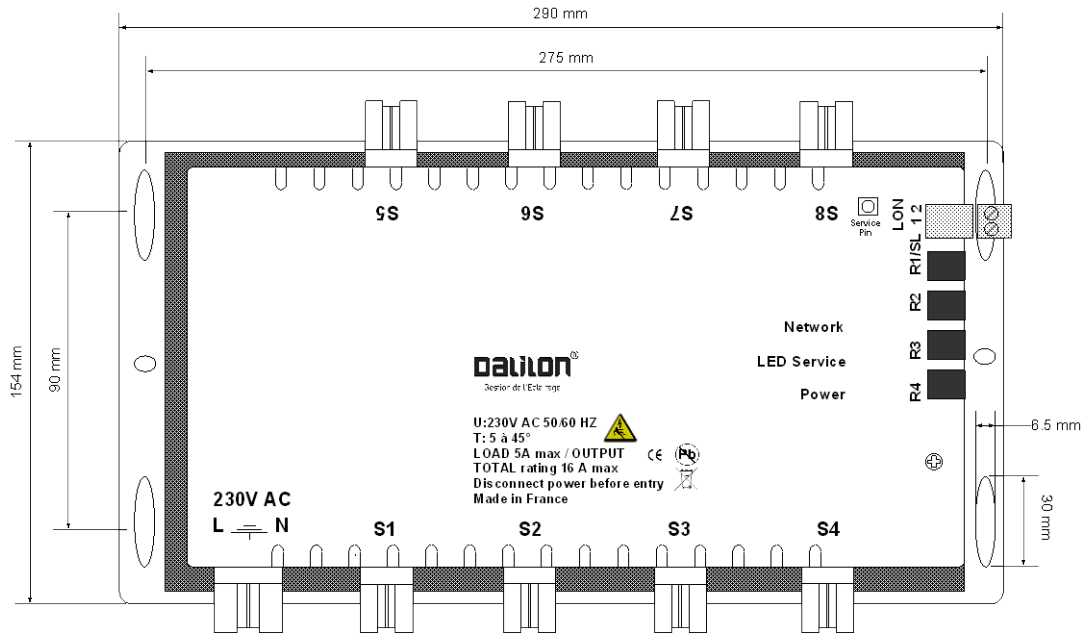
	WMS-PB-8DI	Push-button and switch interface, 8 configurable inputs
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ITR module

Allows the connection of 4 additional receivers, multi-sensors or push-button interfaces to lighting controllers.

	ITR	230 VAC network interface for additional RJ9 inputs (4 infrared or radio channels)
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Product Specifications



Physical specifications

Material	Polycarbonate
Color	Black plate and yellow cover
Mechanical protection	IP 20
Dimensions	290 x 154 x 50mm
Shipping box dimensions	300 x 200 x 55mm
Shipping weights	
CTR-4L, CTR-8L, CTR-4LD	1Kg
CTR-8LD	1.2Kg
Electrical specifications	
Power supply	230VAC 50/60Hz Wieland GST 18i3, male, connector
Protection	Fuse or circuit breaker 16A

Connection

Inputs	4 digital RJ9 inputs
Outputs	
CTR-4L, CTR-8L	On/off outputs, 230 VAC / 5 A with Wieland GST 18i3, female, connectors
CTR-4LD and CTR-8LD	Dimming controlled by a 3mA 1–10VDC signal, with a Wieland GST 18i5, female, connectors
EMC	EN61000-6-x and EN61000-4-x
Status indicator	Power supply LED Lighting group status LED Network activity LED

Network

LonWorks network	FTT10a, 78kbps, twisted pair, 2 pin connector
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Environment

Operating temperature	+5°C to +45°C
Storage temperature	-20°C to +70°C
Relative humidity	+20% to +90% without condensation
Security	EN60669-2-1

Tested at ambient temperature (20°C)

Specifications subject to change without notice.

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O5DI-DSCTRLX-11

**ON/OFF or Dimming
Lighting Series**

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