

## IT D0 150/220-240/24 C (NEW)

Icutronic - 24V DALI / 0-10 / PWM



### Product family features

- Intelligent digital dimmer (DALI) with constant output voltage
- Multiple dimming protocols: DALI-2, 0-10V, 1-10V, PWM, RES
- Single or 2-channel (TW) output version
- 24.2 V nominal output + 1.5 V adjustable
- Touch-dim and corridor functions
- Constant current operation option

### Product family benefits

- Dimming range: 0-1...100%
- DALI DT6 and DT8 operations on TW versions
- 6 kHz PWM dimming frequency

## Areas of application

- Suitable for indoor installations
- Independent installation
- Cove lighting, wall washer, corridor, handrail, luminous ceilings
- Suitable for use in luminaires of protection class I and II

## Technical data

### Electrical data

<b>Mains frequency</b>	50/60 Hz
<b>Input voltage AC</b>	198...264 V
<b>Nominal input current at 230 V</b>	0.78 A
<b>Total harmonic distortion</b>	< 10 %
<b>Power factor <math>\lambda</math></b>	0.98
<b>Efficiency in full-load</b>	93.5 %
<b>Device power loss</b>	9.0 W
<b>Inrush current</b>	135 A
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	4
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	7
<b>Surge capability (L/N-Ground)</b>	1 kV
<b>Surge capability (L-N)</b>	2 kV
<b>Nominal output voltage</b>	24.2 V
<b>U-OUT (working voltage)</b>	34 V
<b>Output ripple current (100 Hz)</b>	< 3 %
<b>Output PSTLM</b>	<1
<b>Output SVM</b>	<0.4
<b>Nominal output power</b>	150 W
<b>Maximum output power</b>	150 W
<b>Galvanic isolation</b>	SELV
<b>Galvanic isolation DALI/mains</b>	Basic
<b>Galvanic isolation DALI/output</b>	Double
<b>Networked standby power</b>	<0.50 W

## Dimensions & weight

<b>Length</b>	320.0 mm
<b>Width</b>	60.0 mm
<b>Height</b>	30.0 mm
<b>Mounting hole spacing, length</b>	282.0 mm
<b>Cable cross-section, input side</b>	0.75...1.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.75...1.5 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	5.0...6.0 mm
<b>Wire preparation length, output side</b>	5.0...6.0 mm
<b>Product weight</b>	440.00 g

## Colors & materials

<b>Casing material</b>	Plastic
<b>Product color</b>	White

## Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	75 °C
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Temperature range at storage</b>	-25...85 °C
<b>Permitted rel. humidity during operation</b>	5...85 %

## Lifespan

<b>ECG lifetime</b>	50000 h
---------------------	---------

## Capabilities

<b>Programming interface</b>	T4T
<b>Dimmable</b>	Yes
<b>Dimming interface</b>	Corridor / DALI-2 / Touch DIM
<b>Dimming range</b>	1...100 %
<b>Dimming method</b>	0-10V / 1 - 10V / DALI - 2 / PWM / RES
<b>DALI-2 Diagnostic Data</b>	Yes
<b>DALI-2 Energy Data</b>	No
<b>Max. cable length to lamp/LED module</b>	<3.0 m
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Suitable for emergency lighting</b>	No
<b>Type of connection, input side</b>	Screw terminal
<b>Type of connection, output side</b>	Screw terminal
<b>Suitable for through-wiring</b>	No
<b>Number of channels</b>	1
<b>Overheating protection</b>	Automatic reversible
<b>Overload protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible
<b>Intended for no-load operation</b>	No
<b>No-load proof</b>	Yes

## Programming

Tuner4TRONIC	Yes
--------------	-----

## Programmable features

DALI-2 Luminaire Data	No
TouchDIM + Sensor	Yes
Corridor Functionality	Yes

## Certificates & standards

Approval marks – approval	CE / CCC / BIS / MM / KC / RCM / ENEC 10 - VDE
Standards	IEC/EN 61347-1 / IEC/EN 61547 / IEC/EN 55015 / IEC/EN 61347-2-13 / IEC/EN 61000-3-2 / IEC/EN 62384 / EN 61000-3-3
Type of protection	IP20

## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	05-02-2026
Primary Article Identifier	6937186142252
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	3b032bc2-17f8-442f-9002-9ec76b5f7842
SCIP_ID	

---

## Download Data

File		
Product Datasheet	PDF	▶IT D0 150 220 240 24 C TDS 300326
User instruction	PDF	▶G15131878_UI_IT_D0_36_75_150_200_1CH 210126

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186142252 INVENTRONICS	IT D0 150/220-240/24 C	Shipping carton box 20 Pieces	390 x 344 x 185 mm	24.82 dm <sup>3</sup>	505.65 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit