

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

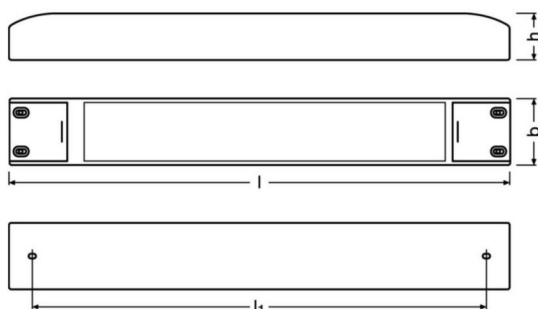
- Suitable for indoor installations
- Independent installation
- Cove lighting, wall washer, corridor, handrail, luminous ceilings
- Suitable for use in luminaires of protection class I and II

Technical data

Electrical data

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

Dimensions & weight



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

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

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

Lifespan

ECG lifetime	50000 h
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Capabilities

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

Programming

Tuner4TRONIC	Yes
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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

Logistical data

Applicable region	APAC (excl. China, India, Japan) / CHINA / EUROPE / INDIA / MEA / SOUTH AMERICA
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	01-09-2026
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 V1.4 6937186142252 TDS 100726
Certificates	PDF	▶ ENEC cert_40057833_Clas II
Mandatory Publications	PDF	▶ IT D0 36 220 240 24 C CE 45554306 270126
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 ³	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