



# Switching Device Unit (SDU) for electronic systems

## SDU for regulating systems

One-step dimming for easy energy savings  
Interface for two-level control (line-switch) of electronic gear with a 1-10 V dimming interface

### Benefits

- Enables easy step-dimming of a group of lights via dedicated pilot line wiring
- Suitable for use with LED, fluorescent and HID 1-10 V electronic drivers
- Available in two versions, enabling multiple dimming levels

### Features

- SDU-01/H in an active state will have an output voltage of 4.6 V when used with a driver sourcing a current of 150  $\mu$ A. Active state applies when the control input is 0V.
- SDU-01/L in an active state will have an output voltage of 1 V when used with a driver sourcing a current of 150  $\mu$ A. Active state applies when the control input is 0V.
- SDU-01 (both /H and /L) will dim when the control line is 0 V and will return to 100% when the control line is 230 V
- A single SDU-01 (both /H and /L) cannot control multiple drivers
- Standard ignitor housing with M8 stud, screw connectors for wiring

### Application

- High-bay retail
- Flood lighting
- Area lighting
- Road lighting
- Petrol stations
- Highway

### System

- When combined with Philips HID 1-10V drivers, recommended combination is SDU-H for SON lamps and SDU-L for CDO lamps

**PHILIPS**

### Warnings and Safety

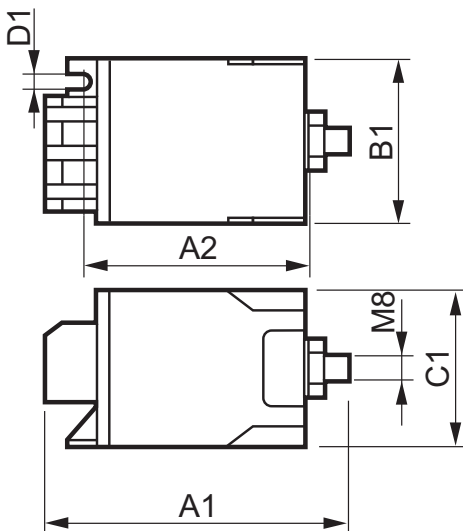
- **IMPORTANT:** Electronic gear is no longer galvanically isolated when SDU is connected to the dim input

### Related products



SDU 01/L &amp; 01/H

### Dimensional drawing



#### SDU 01/H 220-240V 50/60Hz

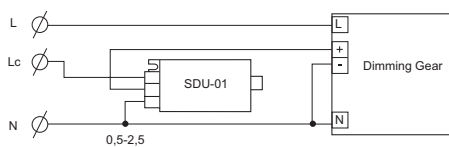
Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
SDU 01/H 220-240V 50/60Hz	89.0	70.0	41.0	38.0	4.3
SDU 01/L 220-240V 50/60Hz	89.0	70.0	41.0	38.0	4.3

### General Characteristics

Order code	Full product name	Interface	Application code	Line Voltage	Line Frequency	Housing
913700637066	SDU 01/H 220-240V 50/60Hz	Control-line	01/H	220-240 V	50/60 Hz	STUD-89

Order code	Full product name	Interface	Application code	Line Voltage	Line Frequency	Housing
913700637166	SDU 01/L 220-240V 50/60Hz	Control-line	01/L	220-240 V	50/60 Hz	STUD-89

### Wiring data





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