Trailing Edge to Switch-Dim Dimming Interface

HYTRONIK ®

HD2200

## Applications

Ideal for mounting into a standard lighting backbox, this dimmer interface provides smooth dimming via the popular Switch-DIM logic to light fixtures using trailing edge technology

■ Office / Commercial Lighting
■ Home office / Domestic use

Use for retrofit upgrades & new installations.

Features

Switch-Dim with Synchronization

Logarithmic Dimming Curve

Minimum Dimming Adjustment

Permanent Memory

Short Circuit Protection

Over-load Protection

5 Year, 50,000hr Warranty

Technical Data

Mains Voltage	230VAC 50Hz
Mains Power	200W (resistive) / 150W (capacitive)
Operation Temperature	Ta: -20~+45℃
Dimming Range	5%-100%
Abnormal Protection	Output short-circuit protection with auto-reset.
Over-heat protection	Over-heat protection with auto-reset.
EMC Standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Safety Standard	EN60669-1, EN60669-2-1
Certifications	Semko, CB, RCM, CE , EMC
IP Grade	IP20

Dimensions and Terminals

Wire Preparation

0.75 - 4.0mm²

8mm
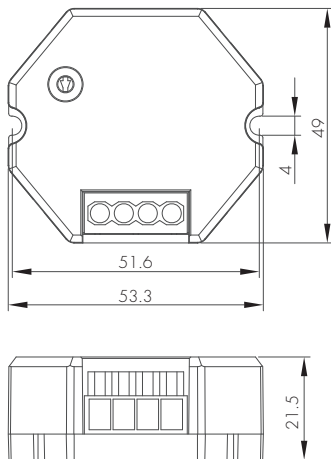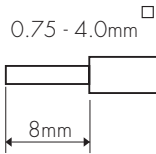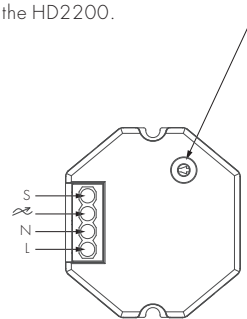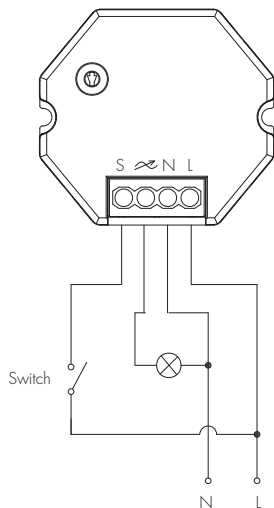
Solid or Stranded wire type.

Compatibility with the lamp control gear may be improved if flickering occurs at the minimum dimming level. Use a screwdriver to adjust the potentiometer to set the minimum dimming level of the HD2200.
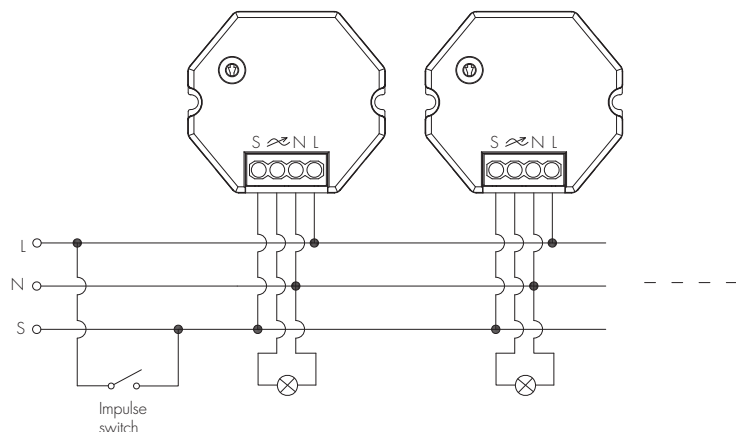

Wiring Diagram

Switch-Dim Connection

Switch

N   L

Multiple Dimmer Connection

L

N

S

Impulse switch

Switch-Dim

The provided Switch-Dim interface allows a simple dimming method using commercially available non-latching (momentary) wall switches. Up to 50 LED drivers may be connected to one switch.

Switch Action	Response
Short press (<0.4 second)	Toggle light on / off
Note: short press has to be longer than 0.1s, or it will be invalid.	
Long press (>0.4 second)	Toggle dim light / increase brightness

Synchronization

Switch Action	Response
Long press (>15 seconds)	All lights will dim down to minimum then return to 50% brightness

* We recommend the number of drivers connected to a switch does not exceed 25 pieces. The maximum length of the wires from push to driver should be no more than 20 meters.