

Switch-Dim to Trailing Edge 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

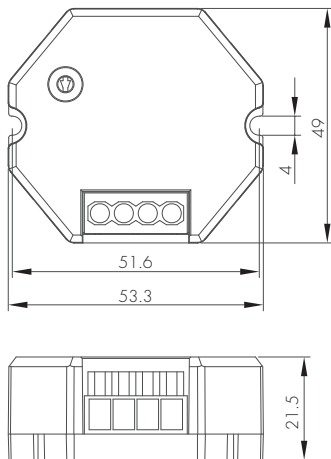
-   Switch-Dim with Synchronization
-  Logarithmic Dimming Curve
-  Minimum Dimming Adjustment
-  Permanent Memory
-  5 Year, 50,000hr Warranty



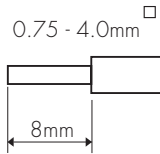
Technical Data

Mains Voltage	230VAC 50Hz
Mains Power	200W (resistive) / 150W (capacitive)
Operation Temperature	Ta: -20~+45°C
Dimming Range	5%-100%
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	RCM, CE, UKCA
IP Grade	IP20

Dimensions and Terminals

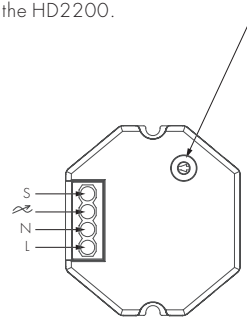


Wire Preparation



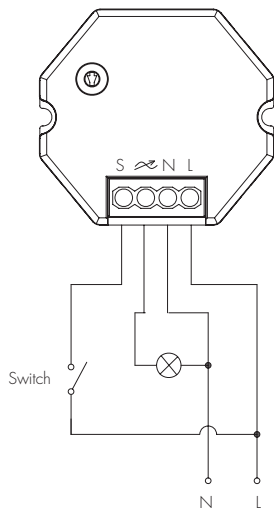
Solid or Stranded wire type.

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.

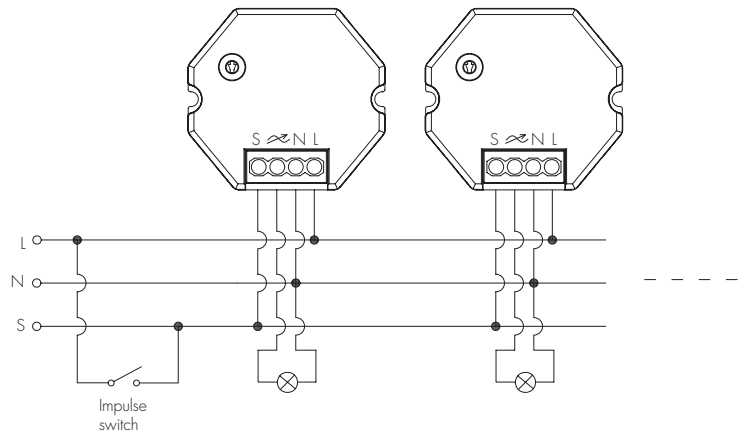


Wiring Diagram

Switch-Dim Connection



Multiple Dimmer Connection



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

Short press (<0.4 second)

Note: short press has to be longer than 0.1s, or it will be invalid.

Long press (>0.4 second)

Response

Toggle light on / off

Toggle dim light / increase brightness

Synchronization

Switch Action

Long press (>15 seconds)

Response

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.