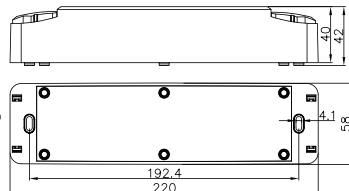
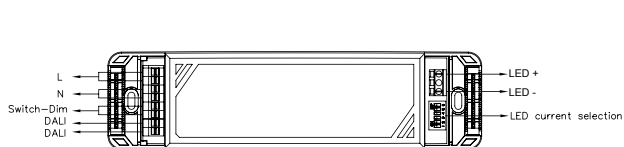
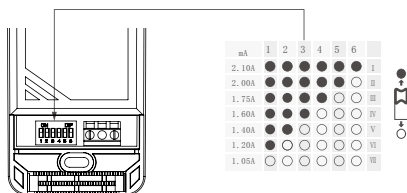


## INSTRUCTION MANUAL FOR 60W DALI LED DRIVER MODEL NO.: HED2060



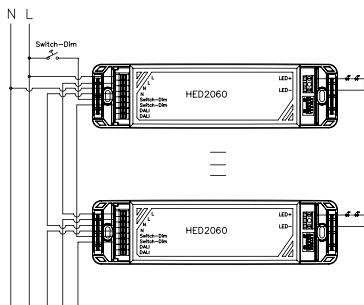
### LED Current Selection

The current can be easily configured by choosing the correct combination of the DIP switches (see table below):

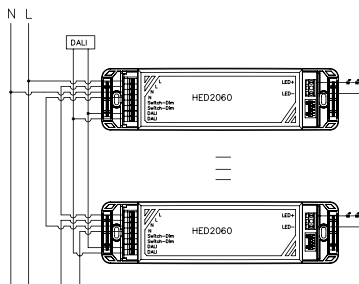


### WIRING DIAGRAM

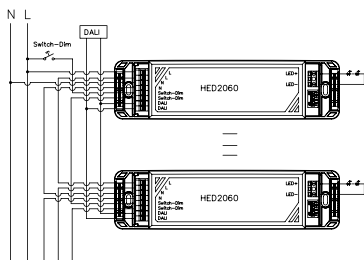
#### Switch-Dim wiring diagram



#### DALI wiring diagram



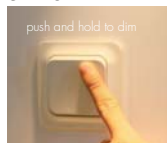
#### Switch-Dim & DALI wiring diagram



## LOOP-IN AND LOOP-OUT

Thanks to double terminals on the primary side, it is easy to connect many drivers in series, just simply take the L, N, DALI and switch-Dim. from the previous driver to the next driver. Saves a lot of wires and work.

## SWITCH-DIM



- On/off: short push (<0.4s) on the switch.  
Note: Short push should be at least 0.12s, and the time interval between two pushes should be longer than 0.12s also.
- Stepless dimming: long push (>0.9s) on the switch.
- For fine tuning of light level: with every other long push, the light level goes to the opposite direction.
- Built-in with permanent memory: light returns to the previous dimming level when switched off and on again, even at power failure.

## SYNCHRONIZATION

Up to 64pcs drivers can be connected to the same switch, thanks to the program. This means there is no need for any additional synchrony wire in large installation, where many drivers should be controlled by one switch.

Please follow the step below to achieve synchronization function if more than one driver are connected to the same push button:

- Do a long push for more than 15s, then the system is synchronized and all lights in the group dim down to 50%.

## MANUAL OVERRIDE

DALI and switch-Dim. can be connected at the same time, to enable manual override function for end-users to switch on/off or adjust the dimming level by the push-switch. This feature makes the product more user-friendly, and could provide more options for some extra-ordinary demands.

- Short push (<0.4s): on/off control.
- Long push (>0.9s): dim up/down the dimming level.
- If customers do not want to have this manual override function, just leave the "switch" terminal alone, and not connected to any wire.
- This manual override is only valid before the next DALI command, meaning the latest action, either from DALI or switch-Dim, stays in validity.

## SPECIFICATION:

|                            |   |
|----------------------------|---|
| Mains voltage              | 220-240VAC 50/60Hz  |
| Mains current              | 0.35mA~0.27mA   |
| Output power(Max.)         | 55W (1050mA) 60W (1200mA) 60W (1400mA) 60W (1600mA)<br>60W (1750mA) 60W (2000mA) 60W (2100mA) |
| Output voltage (U-outmax.) | 80V   |
| Power factor               | ≥0.95   |
| Operation temperature      | Ta: -20~+45℃ Tc:80℃   |
| Output current             | 1050mA/1200mA/1400mA/1600mA/1750mA/2000mA/2100mA<br>in constant current operation mode        |
| Output voltage (Max.)      | 53V(1.05A) 50V(1.2A) 43V(1.4A) 38V(1.6A) 35V(1.75A) 30V(2.0mA) 28V(2.1A)                      |
| Max. Efficiency            | ≥85%  |
| Dimming interface          | DALI, Switch-Dim.   |
| Abnormal protection        | Output short-circuit protection with auto-reset.  |
| Over-heat protection       | Over-heat protection with auto-reset.   |
| EMC standard               | EN55015, EN61547, EN61000-3-2/3   |
| Safety standard            | EN61347-1, EN61347-2-13, EN60598-1  |
| DALI standard              | IEC62386-101:2009 ; IEC62386-102:2009 ; IEC62386-207:2009                                     |
| Dielectric strength        | Input→output : 3750VAC  |
| Certification              | Semko, CE , EMC, SAA  |
| IP grade                   | IP20  |