INSTRUCTION MANUAL FOR 30W DIMMABLE LED DRIVER
MODEL NO.: HE8030-A

SPECIFICATION

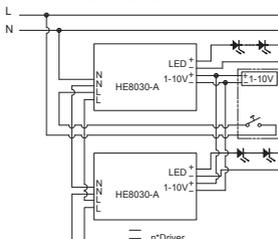|	
Mains voltage	220-240VAC 50/60Hz
Mains current	164-150mA
Mains power	35W (Maximum)
Power consumption	≤0.5W
Output voltage (U-out)	80V (Maximum)
Power factor	≥0.9
Operation temperature	Ta: -20~+50℃ Tc:85℃ (Maximum)
Max. output power/current/voltage	15W/250mA/12~60V; 21W/350mA/12~60V; 24W/400mA/12~60V; 27W/450mA/12~60V; 30W/500mA/12~60V; 30W/550mA/12~54V; 30W/600mA/12~50V; 30W/700mA/12~43V
Efficiency	88%(Maximum)
Dimming interface	Push, 1-10V
Dimming range	1-100%, flicker-free
Abnormal protection	Output short-circuit protection. Over-heat protection, Permanent memory
EMC standard	EN55015, EN61547
Safety standard	EN61347-1, EN61347-2-13
Dielectric strength	Input→output : 3750VAC/5mA/1min
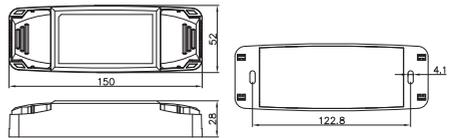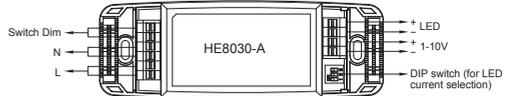
WIRING DIAGRAM

Switch-DIM wiring diagram
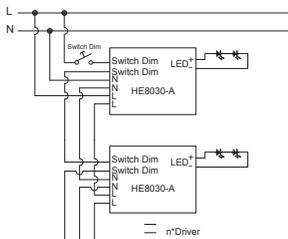
1-10V dimming wiring diagram

LED CURRENT SELECTION

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

Current	1	2	3
700mA	●	●	●
600mA	○	●	●
550mA	●	○	●
500mA	○	○	●
450mA	●	●	○
400mA	○	●	○
350mA	●	○	○
250mA	○	○	○

Note: 1. Default setting is "1-10V" dimming.
2. This "1-10V" output is isolated, SELV output.
3. To shift dimming from "Switch-Dim" to "1-10V", the 1-10V leads should be short-circuit for at least 3s.
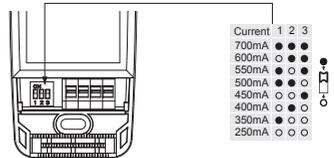
SWITCH-DIM

push and hold to dim

- On/off control: short push (<1s) 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 (>1s) on the switch.
- For fine tuning of light level: with every alternate long push, the light level goes to the opposite direction.
- Built-in permanent memory: light returns to the previous dimming level when switched off and on again, even after power failure.

SYNCHRONIZATION

Up to 50 drivers can be connected to the same switch, thanks to the programme. 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 steps below to achieve synchronization function if more than one driver is connected to the same push button:
- Press the push button for more than 1s (long push), then a short push (<1s). Now the devices are switched off.
- Long push the button, the system is now synchronized.

LOOP-IN, LOOP-OUT

With double terminals on the primary side, it is easy to connect many drivers in series, simply take the L, N, and switch-Dim. from the previous driver to the next driver.

INTELLIGENT THERMAL MANAGEMENT

In the case of overload, overheat, or poor electrical contact, drivers can get overheated. Instead of shutting down, this smart driver automatically reduces power output by 20% to reduce the thermal load, and further 20% more... until the thermal condition is at a safe level for the driver to work in a stable condition.
As the driver cools, the light output goes back to 100%.