

Specification

Product Name: AC sensor

Product Model: MC103S 1

Versions	Release/ change Date	Reason	Publishing
V1.0	2023.03.13		Jianzhong Guo

【Product Feature】

- 12VDC auxiliary power supply for DC sensor, maximum 100mA current
- 220-240VAC input
- This product can realize 0/1-10V dimming and ON-OFF function by working with Merrytek DC sensor

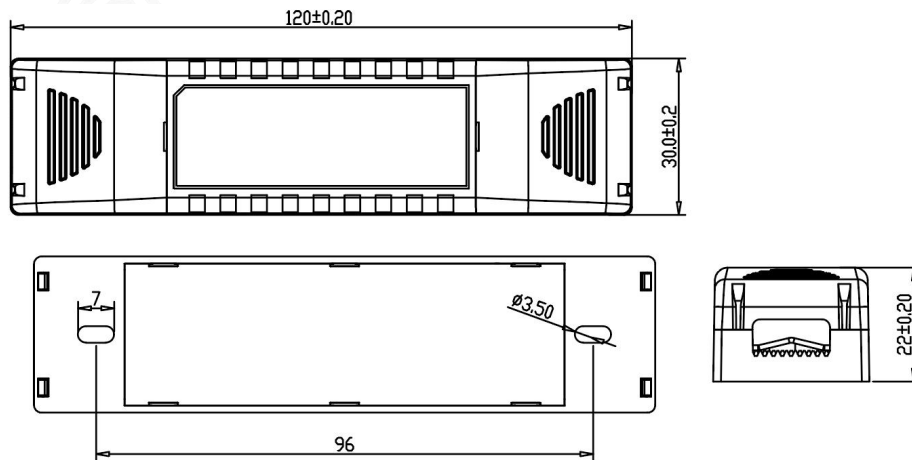


【Parameter】

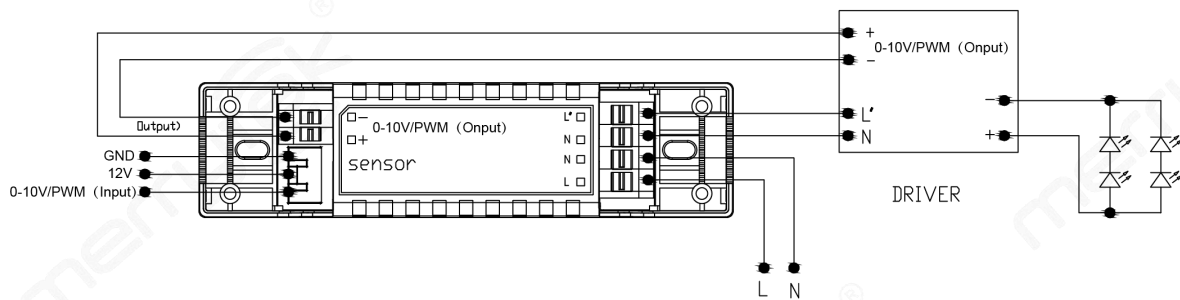
Input	
Rated Voltage	220-240VAC 50/60Hz
Stand-by Power	≤1W
Surge Test	1KV(L/N,EN61000-4-5)
Output	
AUG Inout	5PWM / 0-10VDC
AUG Output	12VDC 100mA(Max)
AC Load Capacity	400W@230Vac(Inductive Load), 800W @230Vac(Resistive Load)
ACMax. Surge Capacity	30A(@ 50% Ipeak, twidth 500us @230Vac full load & start at cold load.) 60A(@ 50% Ipeak, twidth 200us @230Vac full load & start at cold load.)
Environment	
Interface	0/1-10V dimming port
Environment	
Operating Temperature	-25~60° C
Storage Temperature	-40℃~80℃, Humidity: ≤85%(Non-condensing)
Certificate Standard	
Certificate	CE
Environmental Requirement	Compliant to RoHS 2.0, Reach
Safety standards	EN61058-1-2, EN61058-1
EMC standards	EN61058-1,EN61000-3-2,EN61000-3-3,EN62479, EN301489-1, EN55015, EN300440
IP Rating	IP20
Protection Class	Class II
Other	
Wiring	Press-in Type Terminals, wire diameter:0.75-1.5mm ² & 3 pin 2.0mm fast connector
Installation	Built-in
Package	Bubble bag+Clapboard + Carton(K=A)
Net Weight	65±5g
Lifetime	5 years warranty @Ta 230V full load

【Diagram】

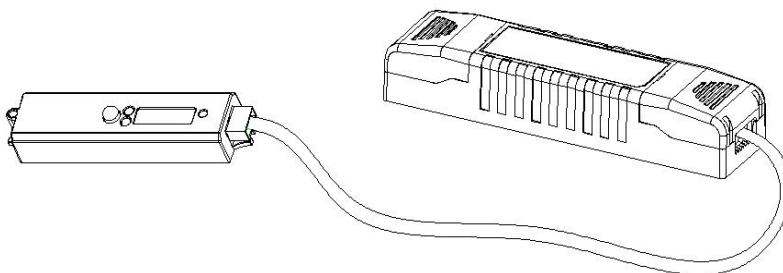
● Dimension



● Wiring



● Wiring example when combined with Merrytek DC sensor



Note:

The product is designed for connect one load only.

【Application Notice】

- The sensor should be installed by a professional electrician. Please turn off the power before installing or wiring.