

HYTRONIK®

HYTRONIK INDUSTRIAL LIMITED
Room D, 10/f, Tower A, Billion Center, 1 wang Kwong Road,
Kowloon Bay, Kowloon, Hongkong
T: 00852-35197525 F: 00852-30116936
E: info@hytronik.com

CHINA FACTORY
3rd Floor, block C, complex building, 155#, Bai'gang road south,
Bai'gang village, Xiao Jin Kou town, Huicheng district, Huizhou 516023
Tel: 86-752-2772020 F: 86-752-2777877
E: info@hytronik.com W: www.hytronik.com

WIRING & SETTING INSTRUCTIONS USER MANUAL

Daylight Sensor – Model No.: DS02

SECTION 1 Technical Specifications

PRODUCT TYPE:	Daylight Sensor
MAINS VOLTAGE:	1-10V
OPERATING TEMPERATURE:	-20°C+60°C
CONTRIAL LINE:	+Red -Black
CABLE LENGHT:	80cm cable
DIMMING RANGE:	10%-100%
SENSOR ANGLE:	90°
MAX. PERMITTED CABLE LENGTH:	50M
IP RATE:	IP20
MAX.LOAD OF THE CONTROL EXIT:	50mA

This is a photocell daylight sensor, it reads and measures the surrounding light, and convert the amount of light to 1-10v electronic signal output.

Additionally, there is a potentiometer for end users to set the brightness level, so that the daylight sensor can read, measure the available natural daylight against the target value, and calculate how much artificial light is needed. This demand is then converted in 1-10v signal, to be sent to the 1-10v dimmable ballast, LED drivers, who will then pump up the right amount of light out of the fluorescent lamp or LED.

NOTE:

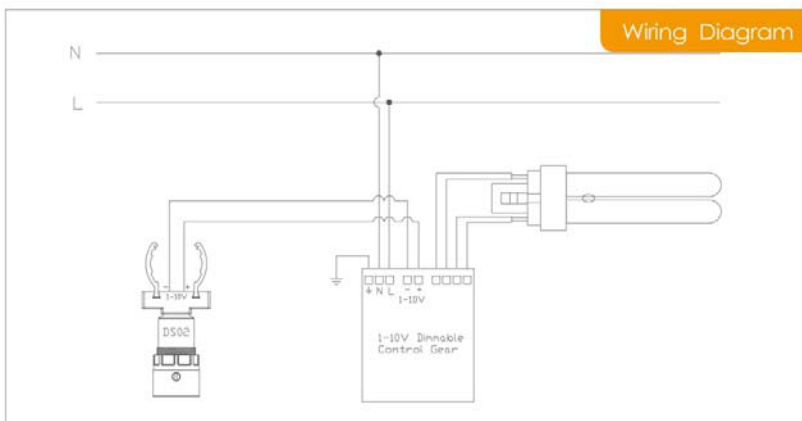
IMPORTANT

Accurate lux level is not being marked on casing as this product may deeply be relevant to the installation environment .
Client need to adjust on spot to find a suitable lux level as the setting is different with the surrounding lux level.

SECTION 2 INSTALLATION & WIRING

2.0 ENSURE THAT THE ELECTRICITY SUPPLY IS SWITCHED OFF COMPLETELY BEFORE INSTALLING OR SERVICING THIS PRODUCT

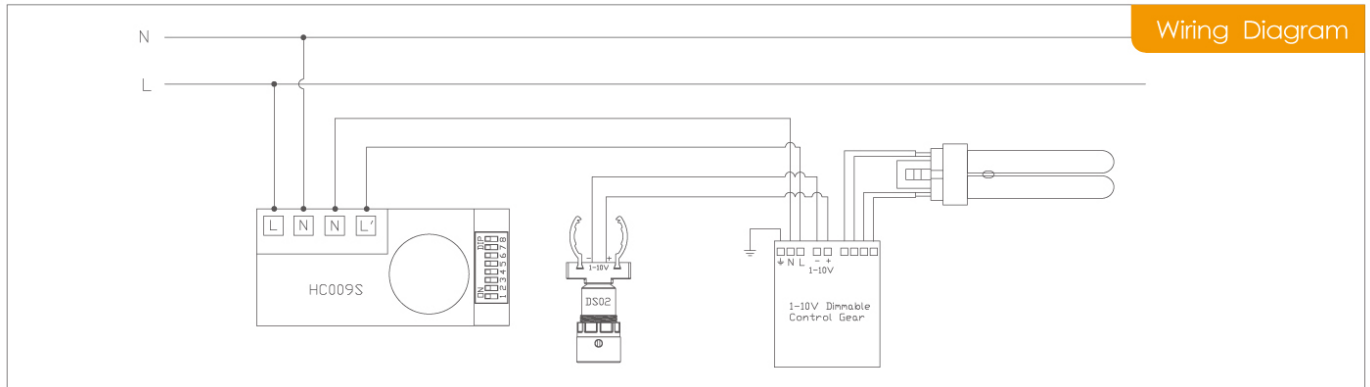
iDS02 + 1~10V control gear, with no motion sensor



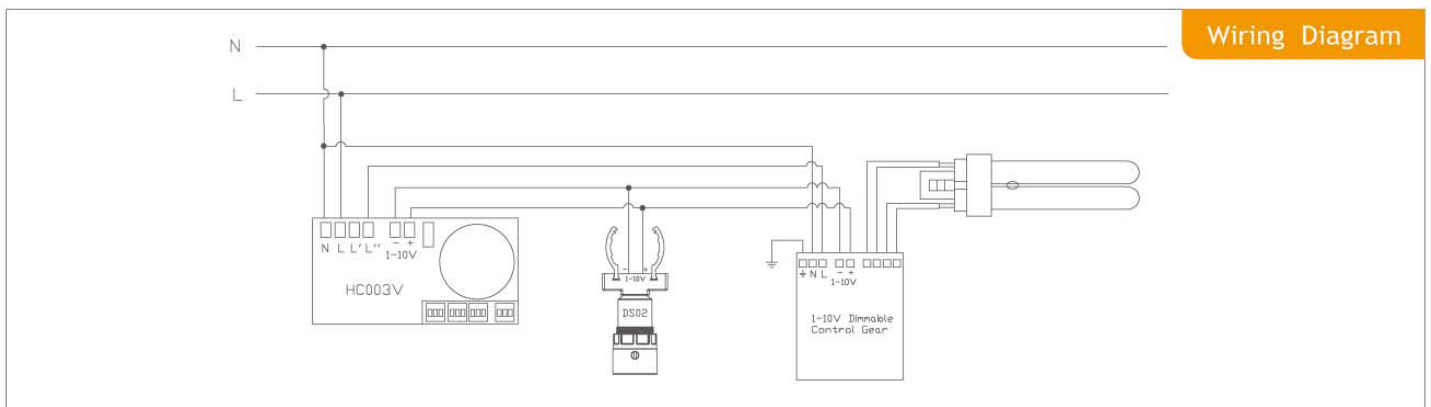
NOTE: Please be noted that whether or not the lamp can be switched off depends on the control gear. DS02 has the lowest voltage output 1.1-1.2v, if control gear can switch lamp off at this voltage, the lamp can be switched off. Hytronik also supplies a 1-10v dimmable 25W LED driver which can be working with DS02 to switch off lamp if needed.

WIRING & SETTING INSTRUCTIONS USER MANUAL

ii. DS02 + HC009S(or any ON-OFF sensors) + 1~10V control gear



iii. DS02+HC003V+1-10 control gear

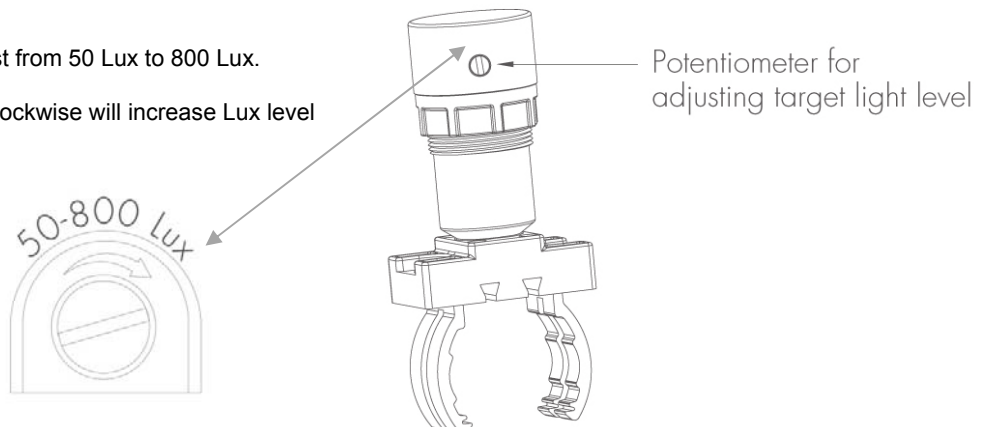


SECTION 3 SETTINGS

Daylight Sensor:

We adopt potentiometer to adjust from 50 Lux to 800 Lux.

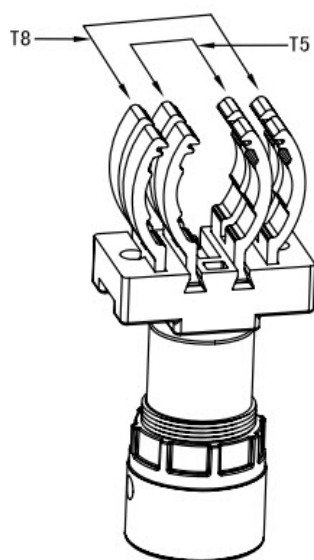
To adjust/rotate potentiometer clockwise will increase Lux level



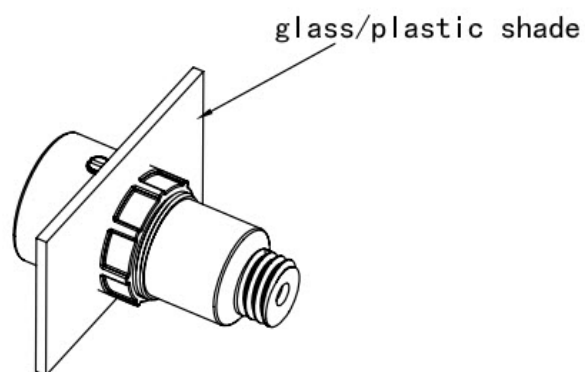
WIRING & SETTING INSTRUCTIONS USER MANUAL

SECTION 4 INSTALLATION WAY

1. Mounting on linear tubes—



2. Mounting on glass/plastic shades—



3. Mounting on flat surface—

