

Light Sensitive Switches

Using light sensitive switches can prevent the unnecessary use of lighting circuits where sufficient daylight exists. The benefit of modular devices is the facility to set the ambient lighting level at which the device will operate, and as the device is fitted at the distribution point prevent unauthorised tampering. The remote photocell unit can be mounted up to a distance of 50 metres from the device. Two devices are available the standard **EE100** light sensitive switch and an enhanced programmable version the **EE171** that also allows time clock control.

Principle of Operation

Both devices control lighting systems according to natural illumination;

- The user sets the working level:
- The photo cell measures the external light level

The output of the **EE100** is:

- ON, when the measured level is lower than the pre-set light level
- OFF, when the measured level is higher than the pre-set light level

The output of the **EE171** during the programmed ON time period is:

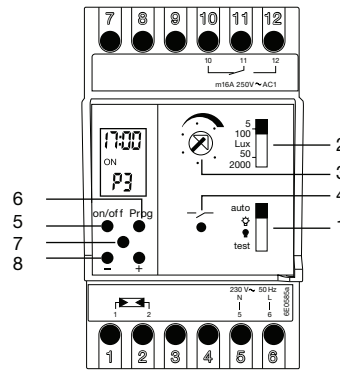
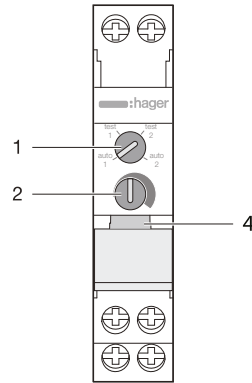
- ON, when the measured level is lower than the pre-set light level
- OFF, when the measured level is higher than the pre-set light level

The output of the **EE171** during the programmed off time period is:

- OFF, regardless of the lighting level

The light sensitive switches include a built in time delay which avoids unnecessary switching due to temporary factors such as car headlight beams etc...

Description



The programmable light sensitive switch **EE171** has two main functions:

Light sensitive switch comprising

1. Override selector switch to allow permanent ON or OFF, auto or test mode
2. Lighting range selector
3. Potentiometer to set light level
4. Indicator to show output switching status

A programmer to establish the automatic operating cycle

The programmer comprises 4 keys:

5. **ON / OFF** to choose whether the circuit is on or off.
6. **Prog** to set the program and scroll program steps
7. **Reset**
8. **+** and **-** to change settings

