

EX SERIES DUAL-DIGITAL DISPLAY OPTICAL FIBER AMPLIFIER



Dual-digital display optical fiber amplifier

Intelligent adjustment, simple and stable

Accuracy of detection and simplicity for the customer. Long-term stable brightness and reduced device maintenance.

Setting up with just one key

Just one key to set, press the SET button when there is no target detection object, and press the SET button again when there is a target detection object to automatically set the optimal position.



Dust cover

For easy observation, the dust cover is close to the display.

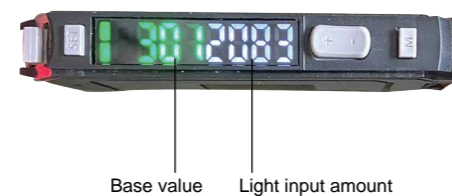


Adjustable light projection amount

In the case of close range detection or detection of transparent objects or small objects, when the lighted level is saturated, the light projection amount by the sensor can be adjusted without changing the response time to realize stable detection. This function makes it easy to set up detection that previously required changes in response time and optical fiber.

Two digital screens are convenient to use

Equipped with two digital screens, allowing you to check the base value, the light input amount, and various settings at the same time, making high operability.



Wire outgoing method

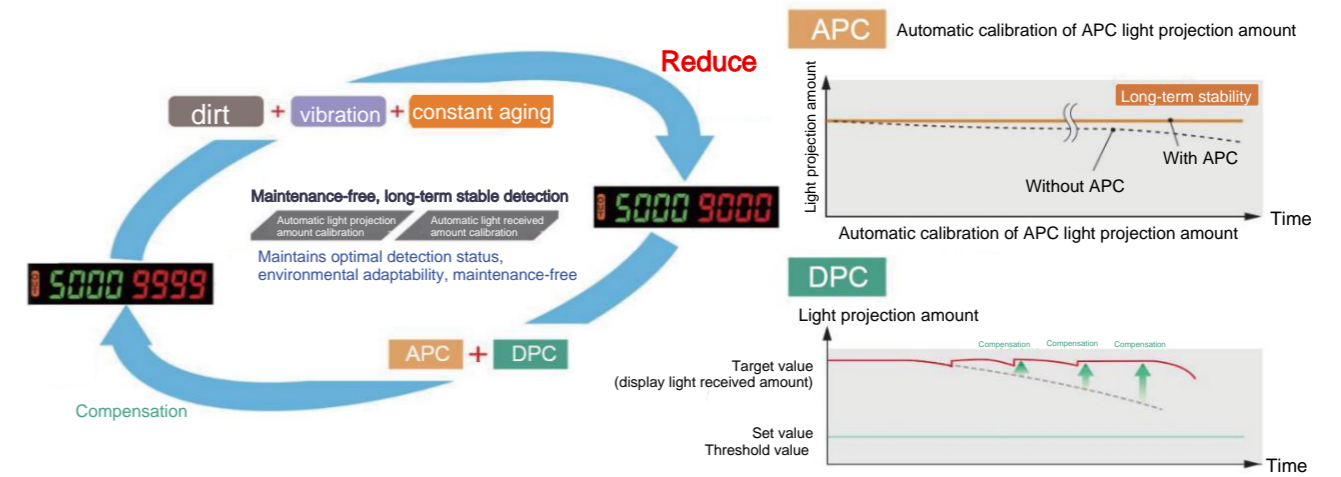
Wire lead type (standard with two meters of flexing-endurable cable) and connector type are available.

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Function introduction

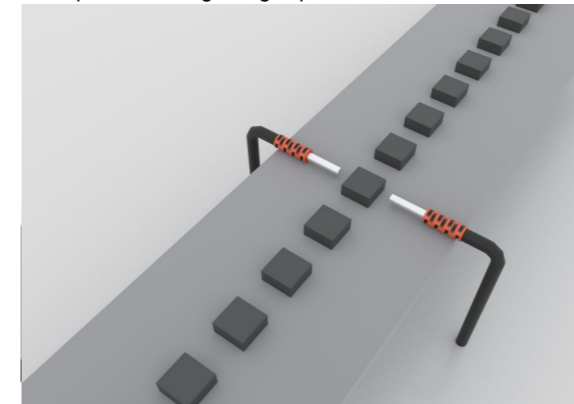
Light amount value compensation

The automatic maintenance function restores the sensor to its original display state when it detects a decrease in brightness due to dirt or other reasons. This function eliminates the effects of the surrounding environment and enables the sensor to consistently perform high-precision detection.



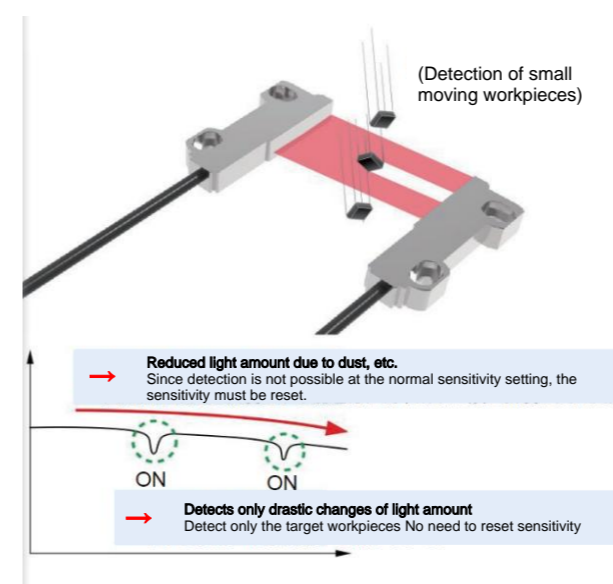
Four methods of detection

Four detection modes are available: standard detection mode 1ms, high speed 250us, ultra-high speed 25us and high precision 16ms, which can also be used to detect small workpieces moving at high speed.



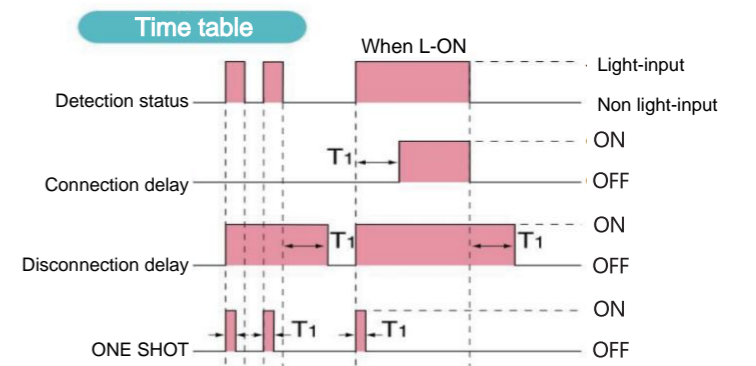
Differential detection mode

Measurements that used to be performed by multiple sensor and those for which it was difficult to set a base value can be realized.



There are 3 types of timers available

Equipped with switch-on delay, disconnect delay and ONE SHOT timer. (Time of timer is about 1ms~10s)



ON delay Delayed output of ON status after detection.

OFF delay When the detection time is short and it is not possible to execute the detection through PLC. Maintains output of ON status.

SHOT inching Timed output is possible even if the size of the detected object is uneven.