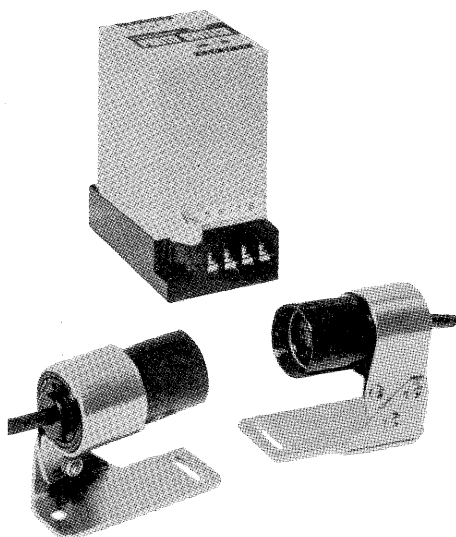


# NEW PRODUCTS

## FUJI PHOTO SWITCHES



The photo switch is employed as the sensor in counting, position control, annunciator systems, etc., to detect various opaque bodies without coming in contact with the objects.

The photo switch consists of a transmitter, receiver and control box. Each of the components is of solid state construction.

A pulse modulated voltage generated in the control box is applied to the Ga-As light emitting diode emitting the pulse light. This light, located in the infrared zone of the spectrum, is an invisible light.

Thus, the photo switch is not affected by any external light. The switch is protected against electrical noise and maintains extremely stable operation.

The maximum detecting distance of this photo switch is 3 meters. However, FUJI Electric manufactures photo switches with longer detecting distances of 5 and 30 meters and switches with short detecting distances of 30 cm.

### Specifications

Basic type		Transmitter: AEA 33 A Receiver: AEA 33 B Control box: AEE 33 A
Maximum setting distance		3m
Diameter of light beam		Approximately 50φ at the 3m position
Wiring distance		Less than 10m between the receiver and control box (shield cable is used)
Ambient temperature		Transmitter and receiver: -20°C~+65°C Control box: -30°C~+50°C
Voltage range	AC	100/110 V AC, 200/220 V, 50/60 Hz, 85~110%
	DC	24 V DC, 80~120%
Power consumption		2 W
Minimum diameter of detected material		23 φ
Maximum switching frequency		50 switchings/sec
Operating method		Output on when the high beam is cut off
Specifications of output	AC load	110V AC or 220V 0.5A Triac output
	DC load	24 V DC      0.1A Transistor output
Dielectric strength		2000 V AC for one minute
Insulation resistance		Over 100 MΩ (tested with 500V megger)
Product weight		Transmitter and receiver: 270 g AC control box: 420 g DC control box: 200 g