

TYPE LMS-R5

(LED used and with amplifier)

HIGH SENSIBILITY

ENOUGH DISTANCE OF DETECTION

LOW COST REFLECTION TYPE

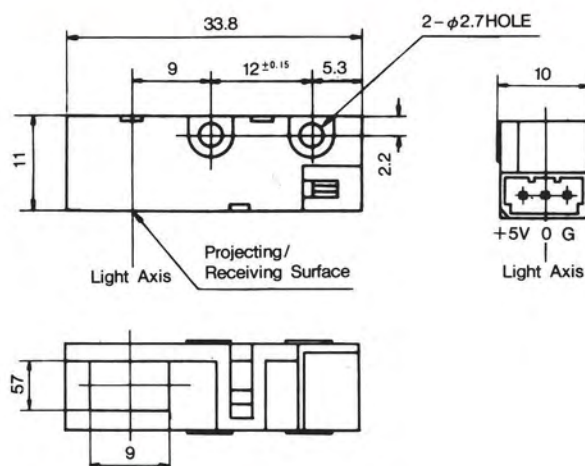
- Small 10(W) × 11(H) × 33.8(L) size, but it has Built-in Amplifier.
- Applying Visual-Light-Cut-Filter to the Photo-transistor, disturbing short wave light(eg. Fluorlight) doesn't affect at all.
- Terminals are only for connecting connectors so it is easy to wiring.
- Built-in Amplifier has high amplification factor, $I_{c\ max}=100mA$ ($T_a=25^{\circ}C$) output current, and can drive outside Relay directly.



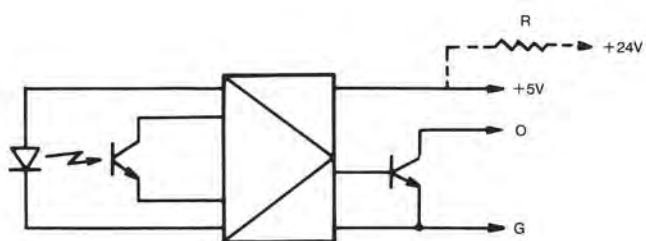
SPECIFICATION

Supply Voltage	DC 5V $\pm 10\%$
Supply Current	30mA (at 5V)
Load Voltage	Max. 24V
Load Current	Max. 80mA
Output Style	Open Collector Output is ON when reflect lighting
Detective Distance	5mm (□25mm)
Working Light	Infrared LED, direct current lighting
Ambient Temperature	$-10 \sim 70^{\circ}C$
Ambient Humidity	Under 80% RH (without waterdrops on Projecting/Receiving surface)

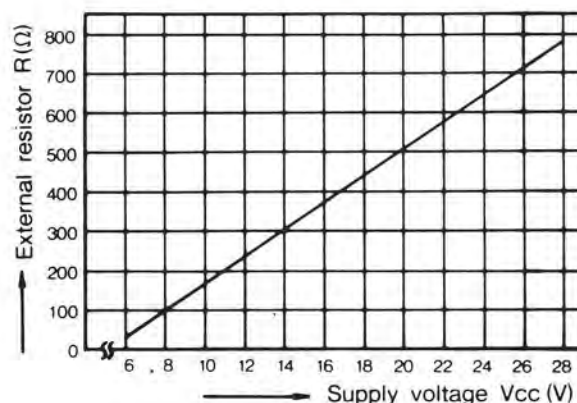
OUTSIDE DIMENSION



■CIRCUIT DIAGRAM

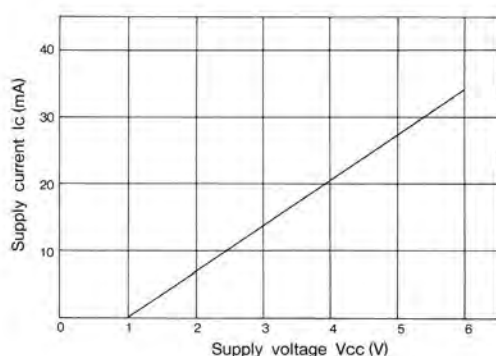


Note: In case of your use with supply voltage more than 5V,
please connect external resistor R by the right chart.

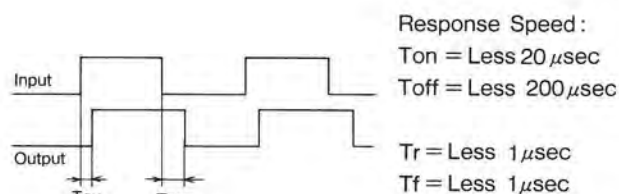


■CHARACTERISTIC CURVE (EXAMPLE)

●Supply Voltage—Supply Current

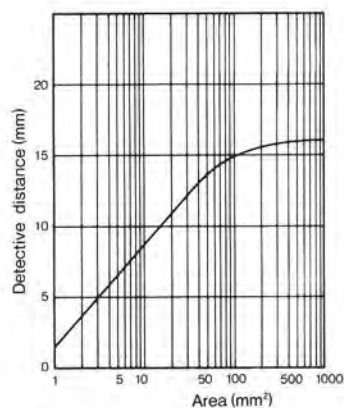


●Response

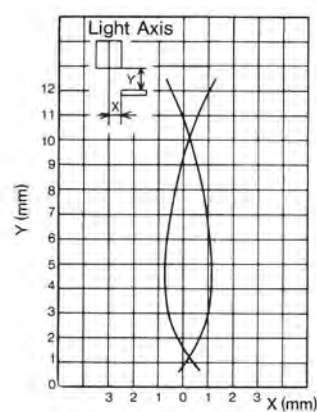
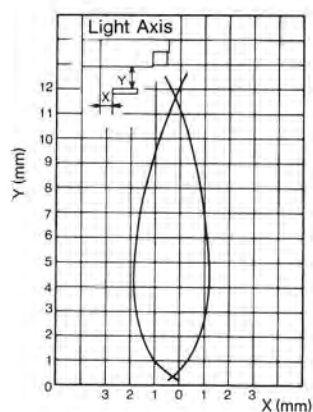


※ Input is switched outside

●Detective Distance—Area



●Operation Range



※ Object : Thin white paper 45kg