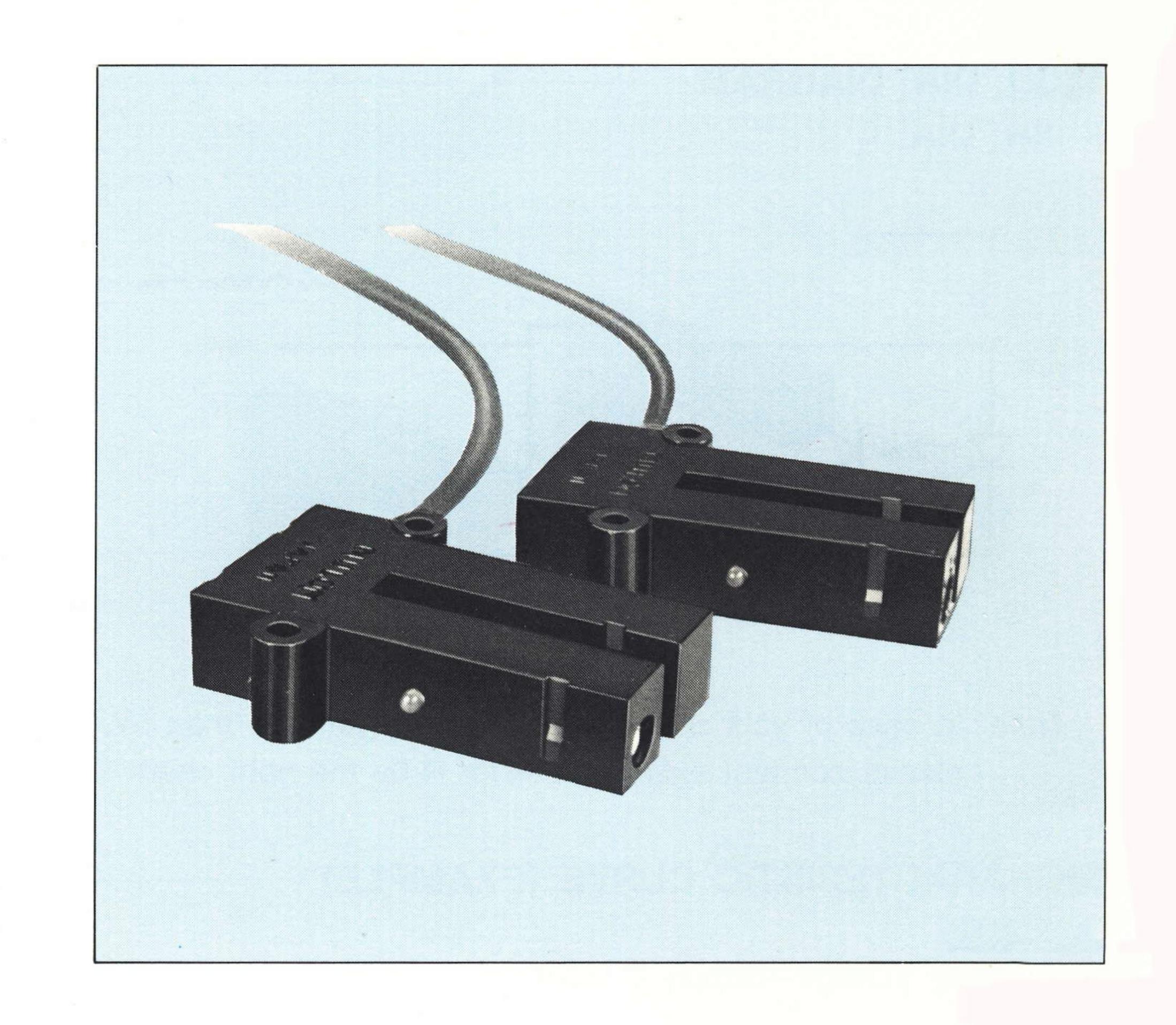
TYPE LINS-T540H

(LED used and with Amplifire)

EVEN DELICATE DIFFERENCE IN THIKNESS CAN BE DETECTED.

- Using internal Sensitivity Regulation Volume makes it suitable for detecting different thickness of object.
- Operation Indicator (LED) is built in, so can easily make sure "ON-OFF" at sight.
- Using high grade IC enhance sensitivity and reliability of this SENSOR.
- Noise Filter Circuit, designed inside Amp., and Shield Wire for Lead shows effective noise-proof.
- Bushing, inside Fixing Hole, enable to do slight regulation and easy setting of object.

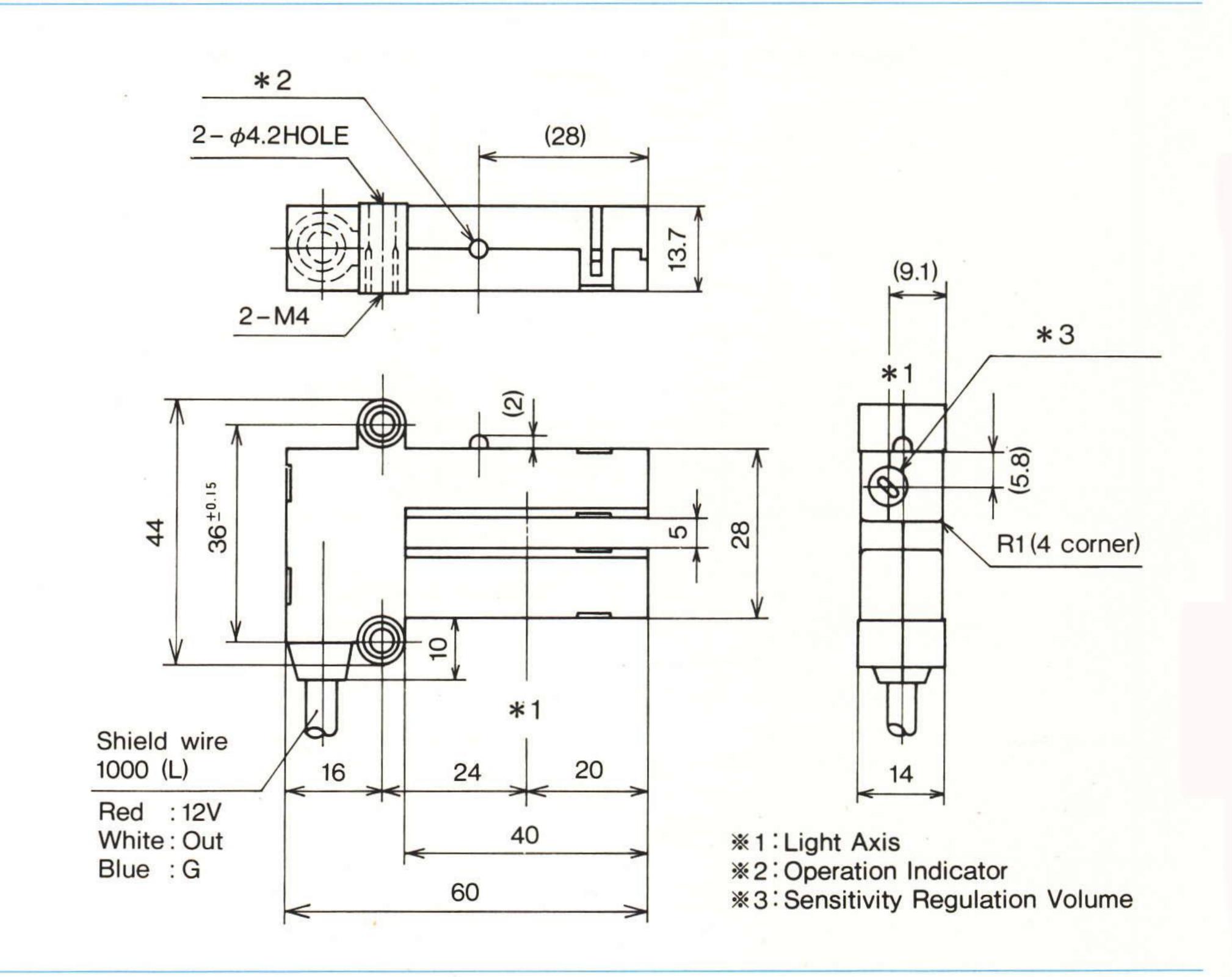


SPECIFICATION

DC 12V ±10%
18mA (at 12V)
Max. 24V
Max. 100mA
Open Collector Project the Light: Operation Indicator ON, Output OFF Shield the Light: Operation Indicator OFF, Output ON
Min. ∮2mm
Infrared LED, direct current lighting
-10~70°C
Under 80% RH (without waterdrops on Projecting/Receiving surface)

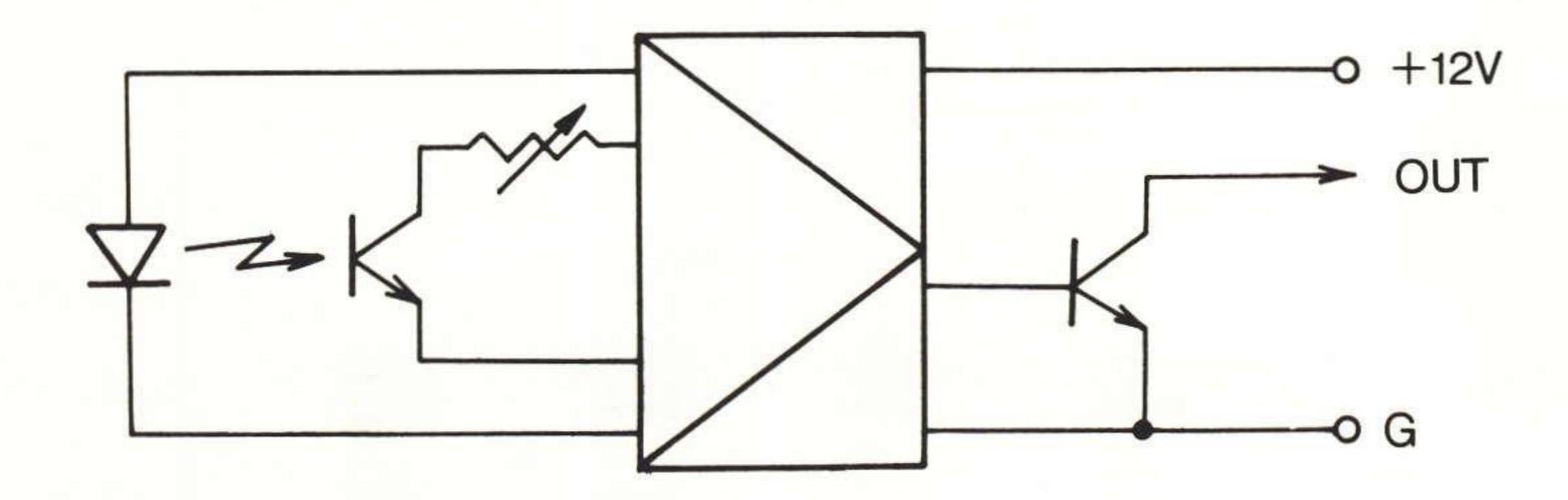
EOUTSIDE DIMENTION





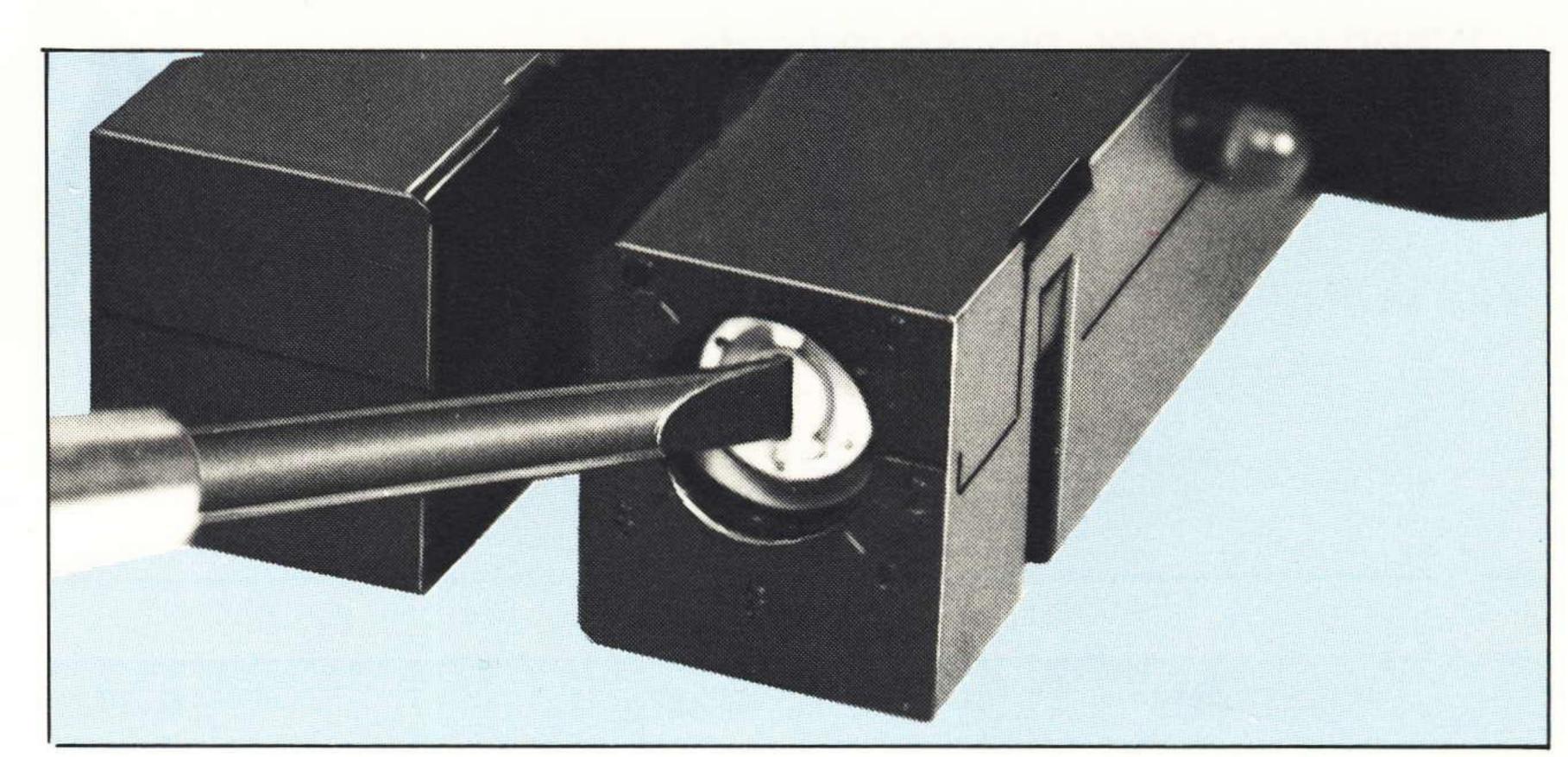


CIRCUIT DIAGRAM



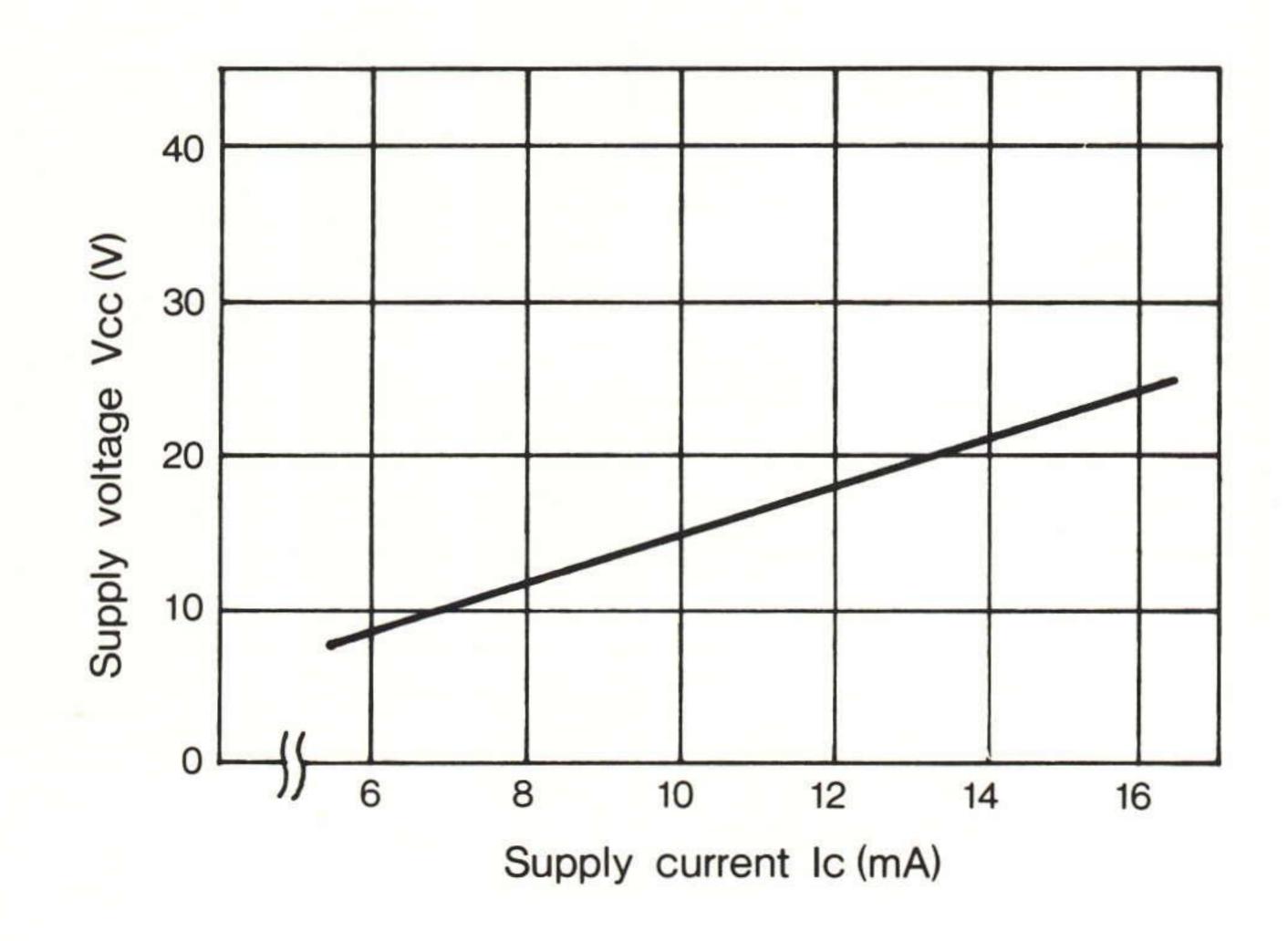
HOW TO TUNE THE SENSITIVITY REGULATION-

Turning the groove with screw driver towards mark 12, sensitivity rises. And can detect an object with different thickness like label. In this case please set the volume a little more than the detecting position.

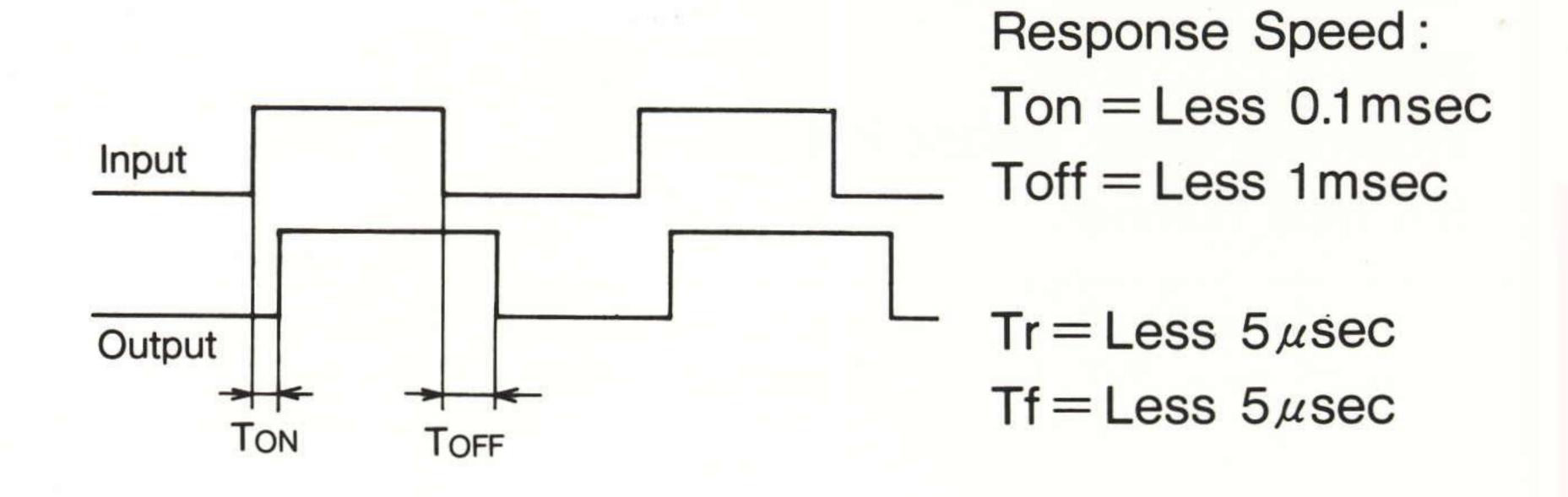


CHARACTERISTIC CURVE (EXAMPLE)

Supply Voltage — Supply Current —

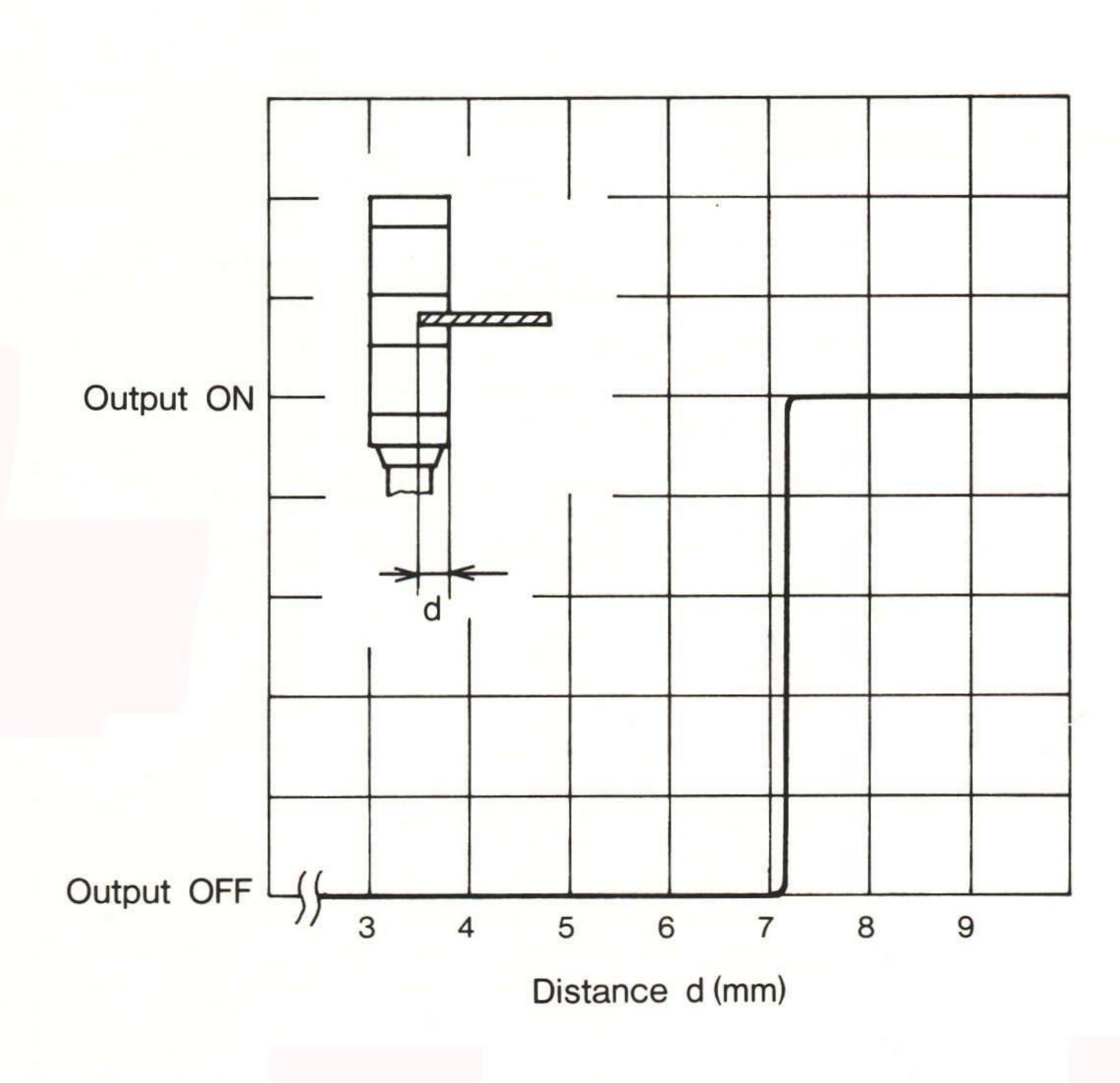


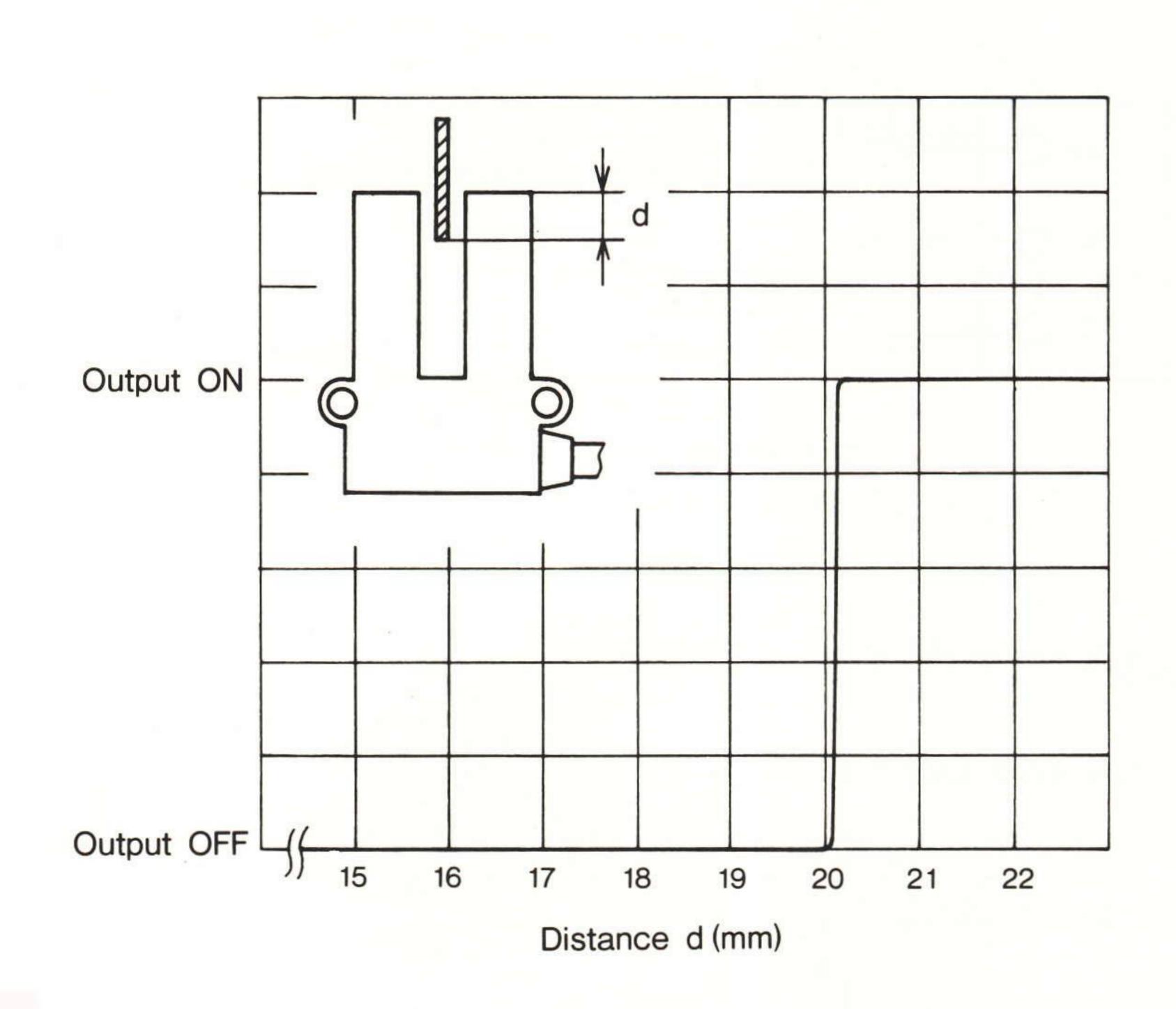
Response



Input is switched outside

Detective Position







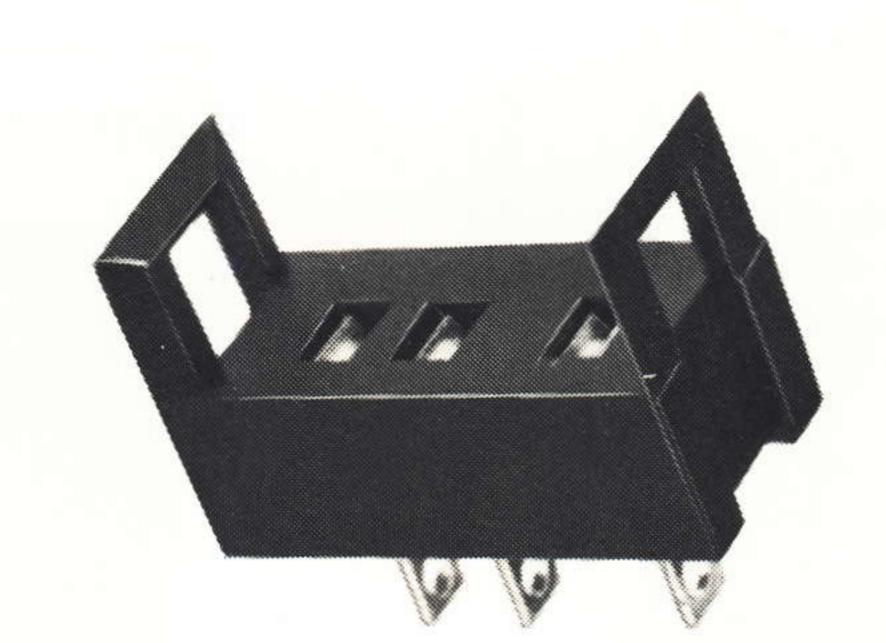
ACCESSORY · APPLICATION CIRCUIT

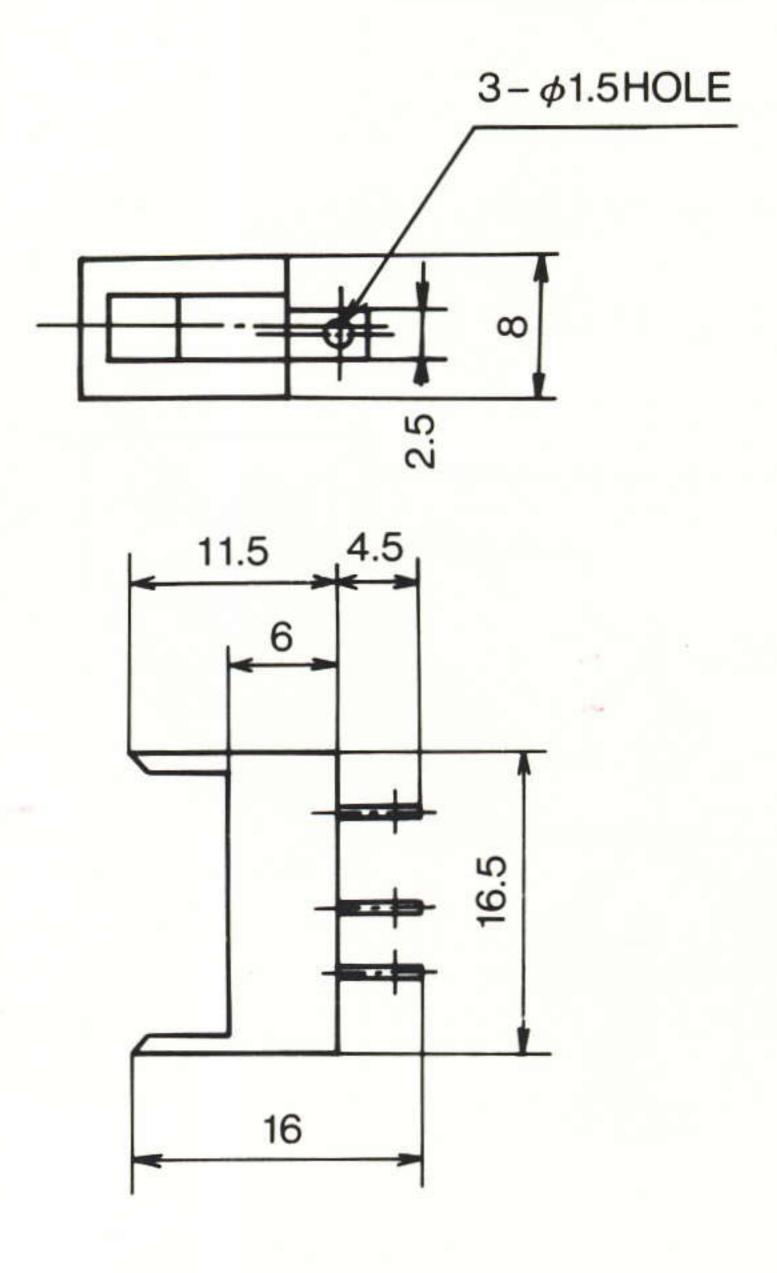
ACCESSORY

Socket For LMS-5 (Type LM-019)

One touch mounting socket is available.

When you order, please indicate the type number.



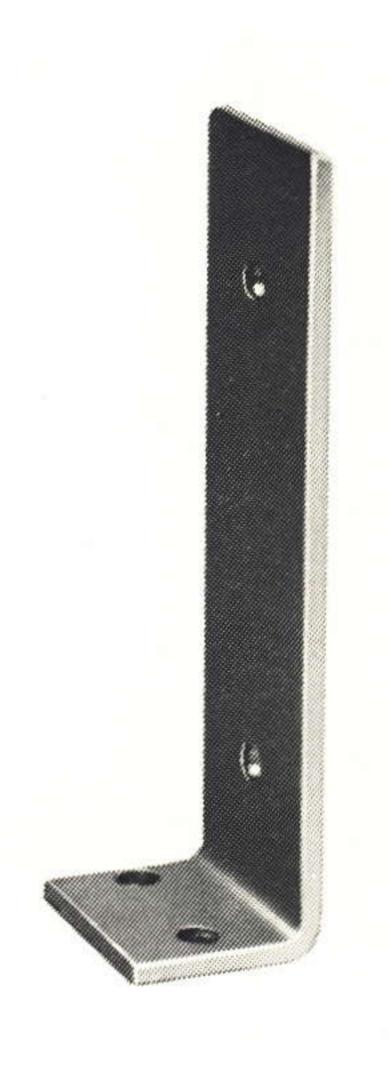


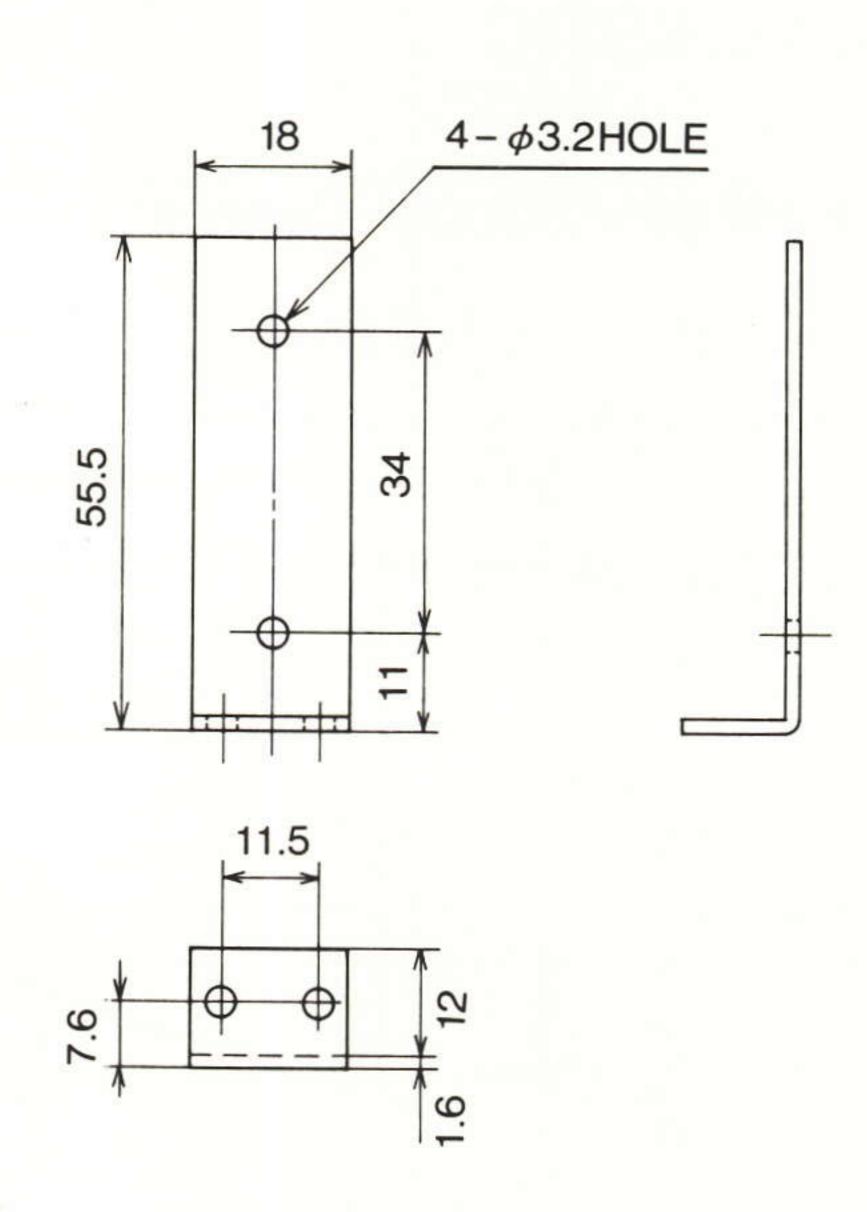
Bracket For LMS-30 (Type LM-026)

Bracket for vertical mounting is available.

Convenient for detecting an object which is moving horizontal direction against the mounting plate.

When you order, please indicate the type number.

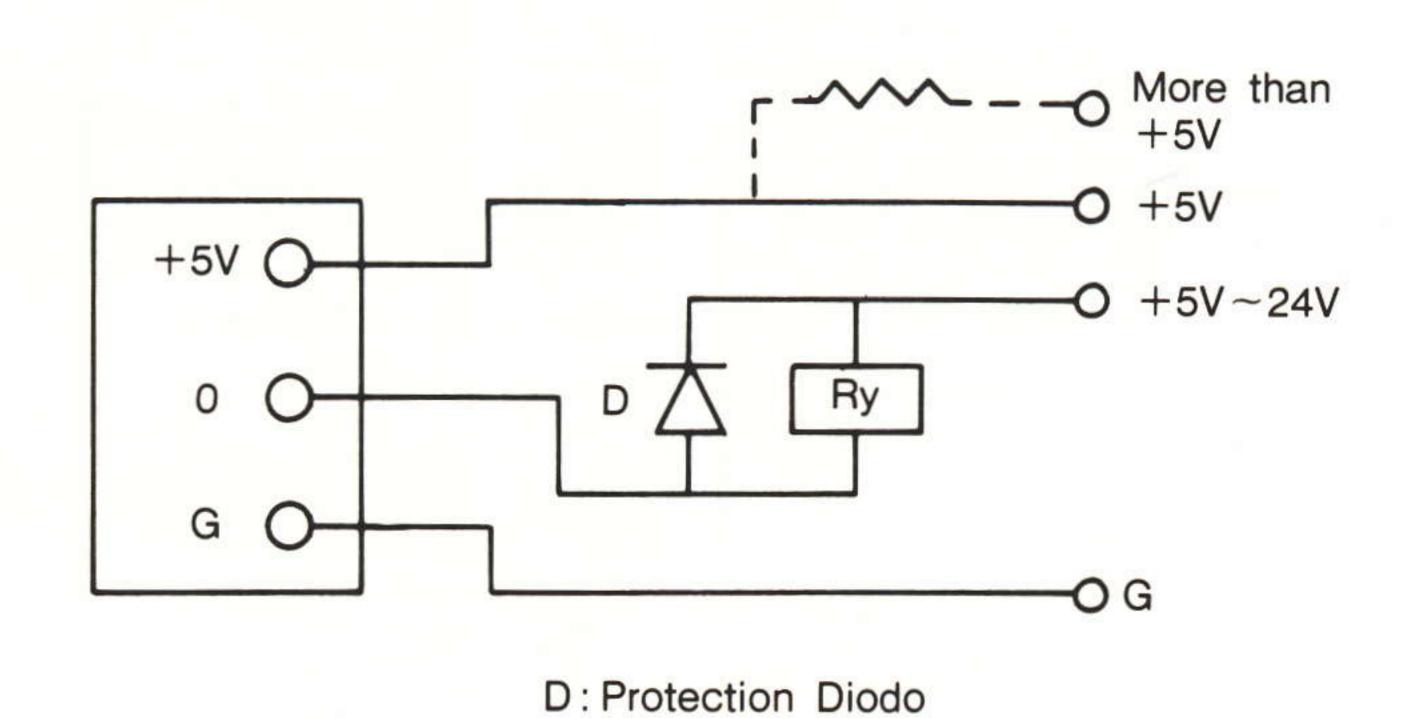




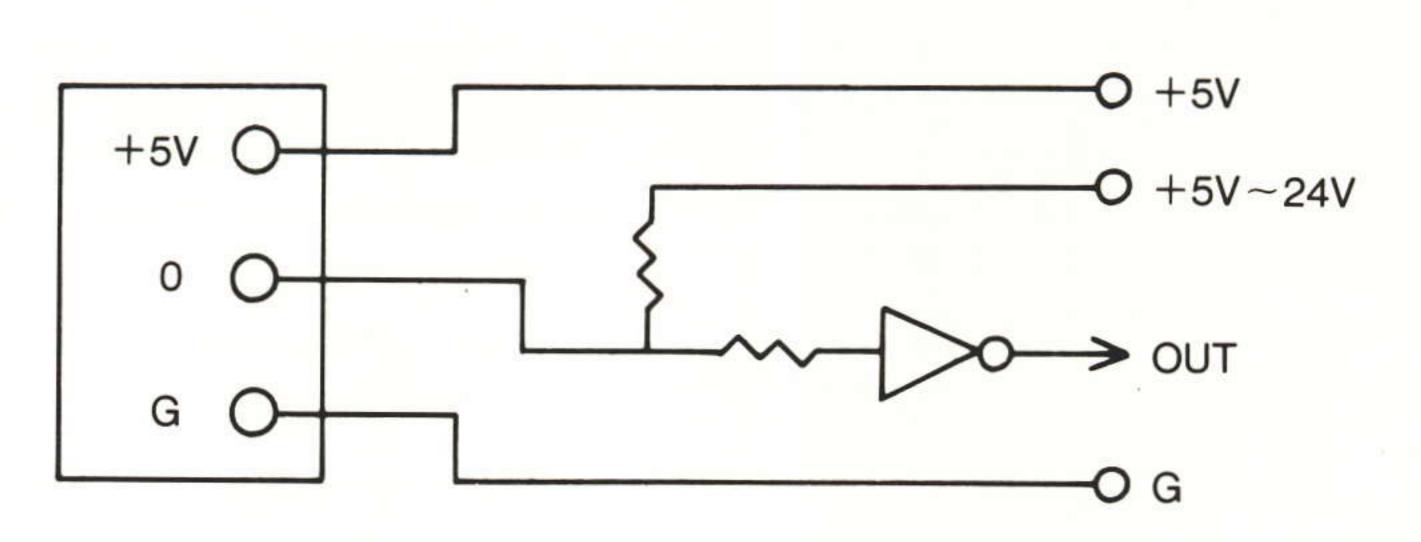
MAPPLICATION CIRCUIT

LMS-5, LMS-4, LMS-T540H

Inductive Load Circuit

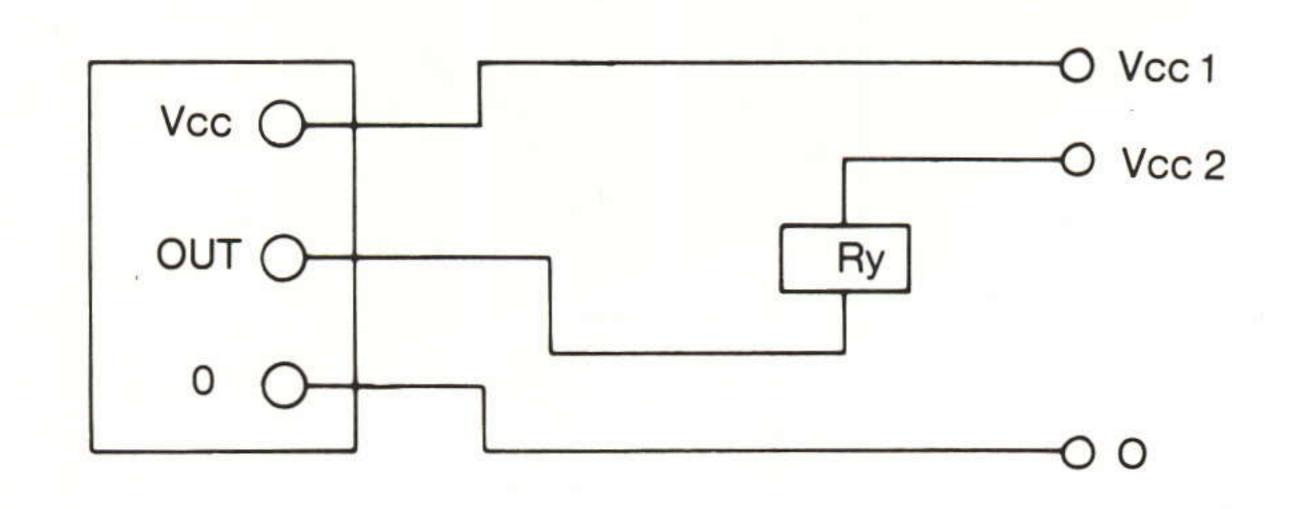


Non-inductive Load Circuit

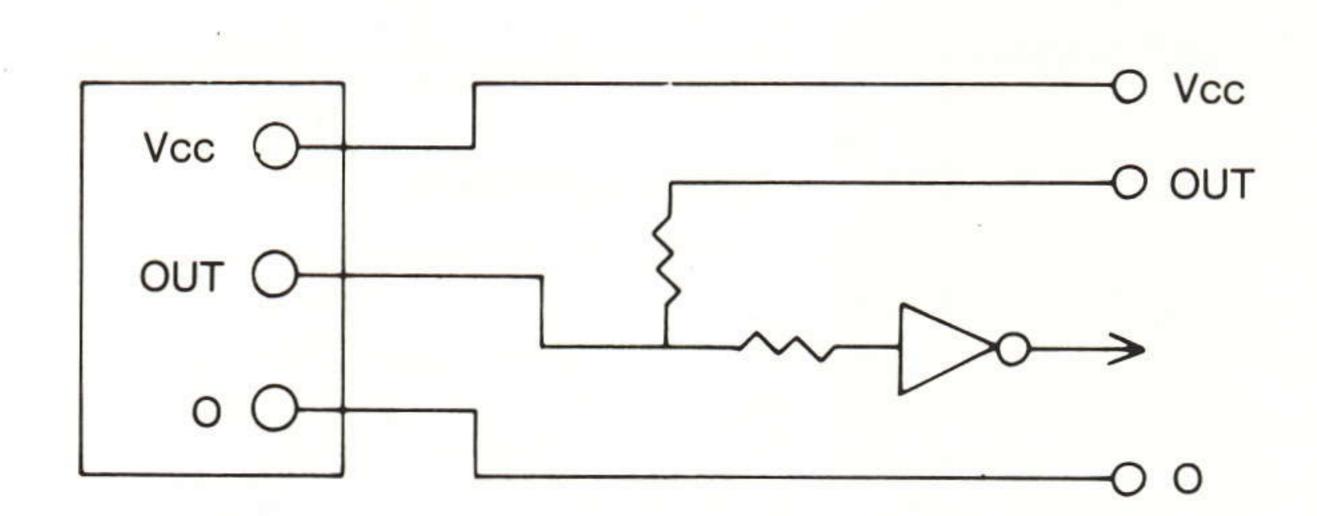


LMS-30

Inductive Load Circuit



Non-inductive Load Circuit





USE. CAUTION ON HANDLING



USE

- Computer Peripharels (eg: Printer, Read Tape or Punch Card)
- Vending Machine, Amusement Machine (eg: Detect and Count Coin or Ball)
- Measuring and Control Instruments (eg: Tachometer, Optical Encoder)
- Automation Systems (eg: Parts-feeder, Counting system for Conveyor Line)
- Security Systems, Office Equipments, Communication Systems etc......

CAUTION ON HANDLING

- 1. As there is no counterplan for disturbance light or noise, please consider such light or noise when you use the switches.
- 2. Inverse connection protective diode isn't built in, please make sure \pm when you wire.
- 3. Be careful for vibration or shock, when you use the switches. It may cause breakage of case or change in characteristics.
- 4. When use in low tempareture, waterdrops on Projecting or Receiving surface may cause change in characteristics.
- 5. Avoid using near inflammable or explosive gas (eg: gasoline, thinner etc..), corrosive gas (eg: Sulphide, Ammonia etc..), or dusty places.
- 6. If operation speed of objects is extremely slow, Output becomes unstable.
- 7. Install firmly on flat, not warped, place.