

SENSOR SWITCH

CE  N1702

MS-100E (12VDC)



Sensor switch for outdoor/indoor use.

Variable multi-area system enables selection of 4 detection patterns.

MS-100E is a passive infrared sensor which is designed to detect far-infrared rays (= body temperature) emitted from human body.

POSSIBLE TO USE OUTDOORS as well as indoors. For wide applications as a switch to control illuminator or various home automation apparatus.

Advanced variable multi-area system

Combination of newly developed variable multi-area system and wide adjustment feature enables 4 detection patterns to fit for various installation sites.

To activate illuminator/surveillance camera

Usable as a switch to activate surveillance camera as well as to turn outdoor/indoor illumination ON/OFF for energy saving or convenient illumination.

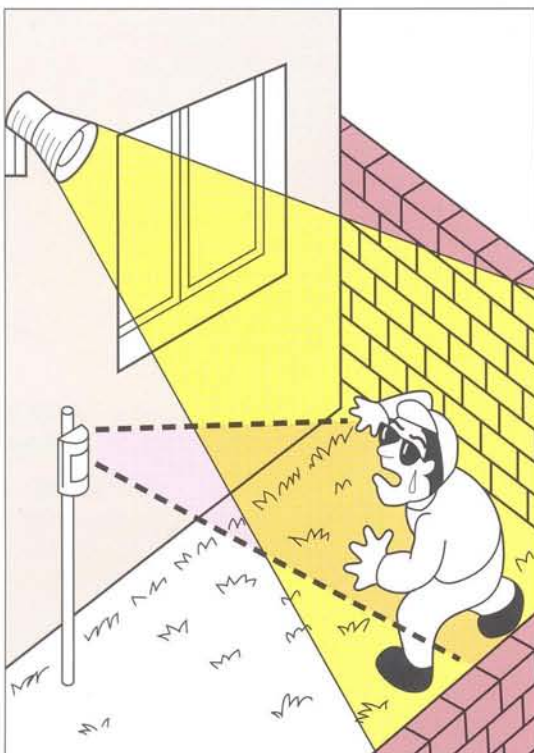
(Dry contact relay : N.C./N.O. selectable)

Weather-proof

Rain-proof allows outdoor/semi-outdoor installation as well as indoor installation.

Ceiling/wall/pole mount available.

■ APPLICATION



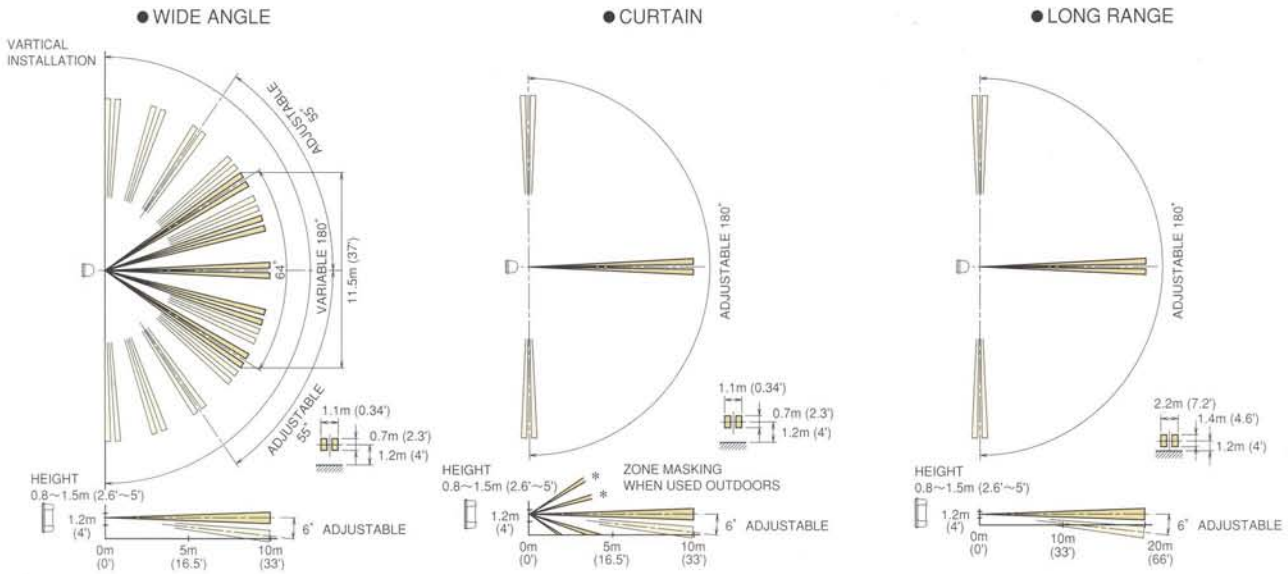
● To CONTROL ILLUMINATOR

■ SPECIFICATIONS

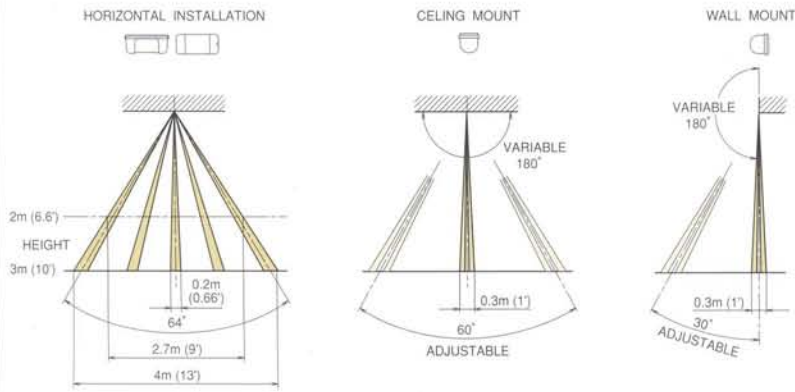
Sensor switch	
Model	MS-100E
Detection system	Passive infrared
Coverage	Vertical Installation <ul style="list-style-type: none"> ● Wide Angle [Max. 33'(10m)] (5 pairs) ● Curtain [Max. 33'(10m)] (5 pairs) ● Long Range [Max. 66'(20m)] (1 pair)
	Horizontal Installation <ul style="list-style-type: none"> ● Vertical Curtain [Max. 10'(3m)] (5 pairs)
Supply voltage	10.5VDC to 30VDC (Non polarity)
Power consumption	30mA or less
Output signal	Dry contact relay output Form N.C./N.O. selectable <ul style="list-style-type: none"> ● Contact capacity ; 30V (AC·DC), 0.5A MAX. (Resistance load) ● Contact operation ; Detection time + off delay (Approx. 2 sec.~approx. 5 min.)
	Tamper signal
Adjustment Volumes	Delay time <ul style="list-style-type: none"> ● Approx. 2 sec.~Approx. 5 min. (Detection time + off delay)
	Day light <ul style="list-style-type: none"> ● Approx. 10 lux~∞ (Regardless illuminance)
	PIR sensitivity <ul style="list-style-type: none"> ● Approx. 30% (L)~Approx. 170% (H) (100% set at factory)
Contact changeover	Form N.C./N.O. changeover (by switch)
Ambient temperature	-4°F to 122°F (-20°C to +50°C)
Mounting position	Vertical Installation <ul style="list-style-type: none"> ● Indoor / outdoor (pole/wall)
	Horizontal Installation <ul style="list-style-type: none"> ● Indoor / semi outdoor (wall / ceiling)
Operation LED	Light at the detection time + off delay
Connection	Terminals
Weight	7.7 oz (220g)
Appearance	Cover : PE resin (white) Body : AES resin (white)
Optional	Ceiling / wall mount attachment (BCW-401) Wall mount fittings (BW-14)

SENSOR SWITCH

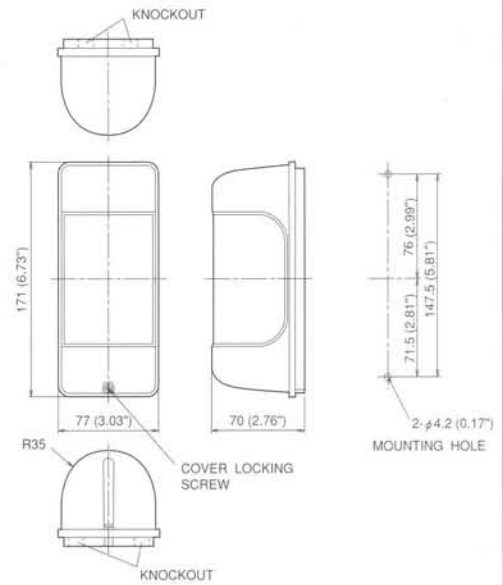
PATTERN



● CURTAIN



EXTERNAL DIMENSIONS unit : mm (inch)



WIRING



OPTIONAL ACCESSORY

● WALL MOUNT FITTINGS (BW-14)



● CEILING/WALL MOUNT ATTACHMENT (BCW-401)



BW-14 IS REQUIRED

Please note : This sensor is designed to detect passing objects and to initiate an alarm ; it is not a burglary-preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

LEAF04-04E7-9

TAKEX

In Japan

Takenaka Engineering Co., Ltd.
 83-1, Gojo-sotokan,
 Higashino, Yamashina-ku,
 Kyoto 607-8156, Japan
 Tel : 81-75-501-6651
 Fax: 81-75-593-3816
<http://www.takex-eng.co.jp/>

In the U.S.

Takex America Inc.
 230 E. Caribbean Drive
 Sunnyvale,
 CA 94086, U.S.A.
 Tel : 408-747-0100
 Fax: 408-734-1100
<http://www.takex.com>

In Australia

Takex America Inc.
 Unit 16/35 Garden Road,
 Clayton, 3168 Victoria,
 Australia
 Tel : 03-9546-0533
 Fax: 03-9547-9450

Takex America Inc.
 Brisbane office : 1/50 Logan
 Road, Woolloongabba
 Queensland
 4102, Australia
 Tel : 07-3891-3344
 Fax: 07-3891-3355

In the U.K.

Takex Europe Ltd.
 Takex House, Aviary Court,
 Wade Road, Basingstoke,
 Hampshire. RG24 8PE, U.K.
 Tel : (+44)01256-475555
 Fax: (+44)01256-466268
<http://www.takexeurope.com>