

MICROWAVE SENSOR

MW-100AL

MW-100AH



The TAKEX microwave sensor is especially designed for outdoor protection. K band microwave sensor achieve high stability in severe weather conditions.

HIGH RELIABILITY

24.1 GHz of microwave sensor reduces false alarms caused by severe weather conditions such as heavy fog, snowfall or rain.

TWO FREQUENCIES (H) and (L) SELECTION

Two models are available with different frequencies, MW-100AH and MW-100AL.

ADJUSTMENT MODE SWITCH

With adjustment mode switch, monitor output voltage (beam reception level) can be checked speedily.

LED

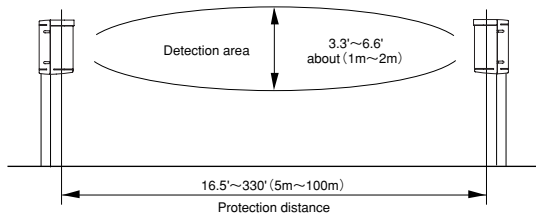
- Transmitter : Green LED ON when transmitting a signal
- Receiver : Red LED ON at alarm

OTHER FEATURES

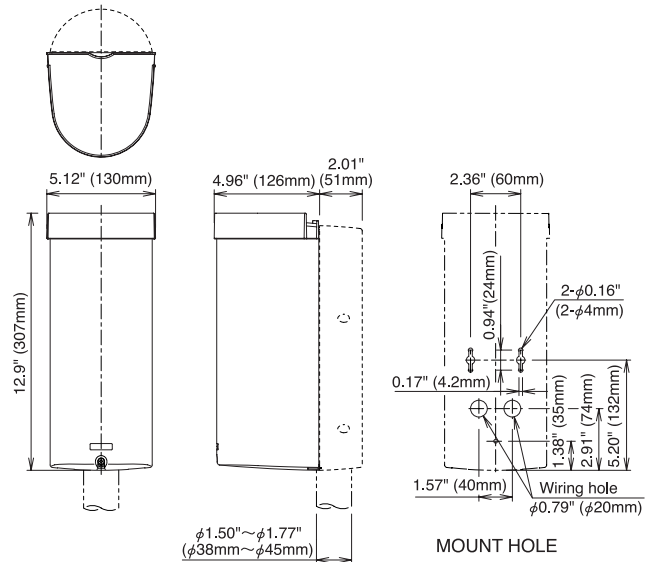
- Automatic Gain Control circuit
- Response time adjustment
- Antennae directional adjustment (horizontally $\pm 90^\circ$, vertically $\pm 10^\circ$)
- Monitor jack output
- Pole or wall mount

MICROWAVE SENSOR

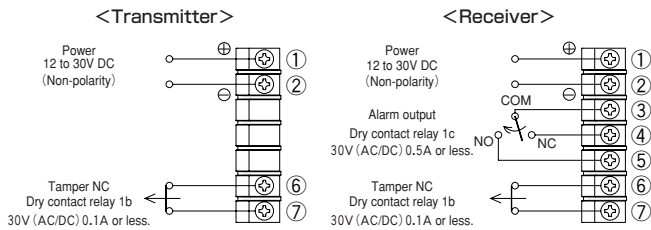
■ COVERAGE



■ EXTERNAL DIMENSIONS (Unit : inch (mm))



■ TERMINAL ARRANGEMENT



■ SPECIFICATIONS

Type	Microwave sensor	
Model	MW-100AL	MW-100AH
Protection distance	16.5ft. (5m) to 330ft. (100m)	
Max. arrival distance	Microwave : approx. 330ft. (100m)	
Microwave	(L) 24.11GHz	(H) 24.17GHz
Detection system	Microwave	
Response time	Microwave : 40msec. to 300msec. (Variable at pot)	
Alarm signal	Dry contact relay output 1C N/O and N/C Contact action : Interruption time output Contact capacity : 30V (AC/DC) 0.5A or less.	
Supply voltage	12 to 30V DC	
Power consumption	100mA ● Transmitter : 50mA ● Receiver : 50mA	
Tamper signal	Dry contact output 1b (N/C) Contact capacity : 30V (AC/DC) 0.1A	
Alarm LED (Receiver)	Red LED Lighting at alarm	
Transmission LED (Transmitter)	Green LED Lighting at sending signal	
Functions	Monitor output, Adjustment mode switch	
Ambient temperature range	-13°F to +140°F (-25°C to +60°C)	
Weight	Transmitter 32.6oz (930g)	Receiver 34.3oz (980g)
Appearance	PC resin (Wine red)	

*The specifications are subject to change without notice.

■ OPTIONAL

- Pole cover
BP-100MW



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

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.
3350, Montgomery Drive,
Santa Clara,
CA 95054, 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>