

# MICROWAVE SENSOR

## MW-50



Application

*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-50 (H) and MW-50 (L).

### ADJUSTMENT MODE SWITCH

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

### LED

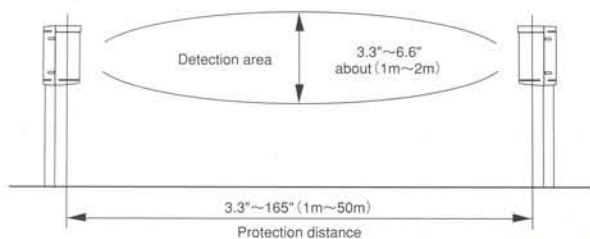
- \* Transmitter : Green LED ON when transmitting a signal
- \* Receiver : Red LED ON at alarm

### OTHER FEATURES

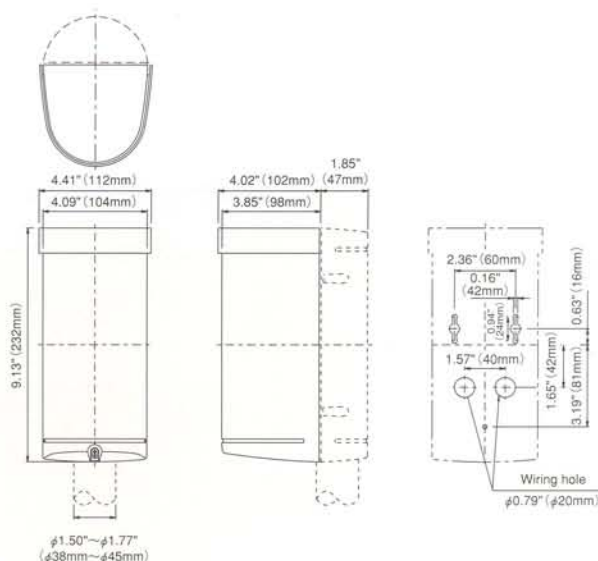
- \* Automatic Gain Control circuit
- \* Response time adjustment
- \* Antennae directional adjustment (horizontally  $\pm 90^\circ$ , vertically  $\pm 10^\circ$ )
- \* Monitor jack output
- \* Pole or wall mount

# MICROWAVE SENSOR

## ■ COVERAGE

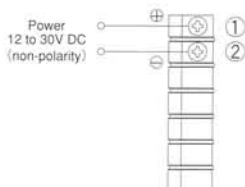


## ■ EXTERNAL DIMENSIONS (Unit : inch(mm))

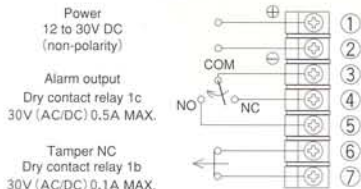


## ■ TERMINAL ARRANGEMENT

### <Transmitter>



### <Receiver>



## ■ OPTIONAL

- Pole cover  
BP-50 MW



## ■ SPECIFICATIONS

| Type                           | Microwave sensor   |
|--------------------------------|--|
| Model                          | MW-50  |
| Protection distance            | 3.3ft. (1m) to 165ft. (50m)  |
| 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<br>Contact action : Interruption time output<br>Contact capacity : 30V (AC/DC) 0.5A MAX. |
| Supply voltage                 | 12 to 30V DC   |
| Power consumption              | 100mA<br>● Transmitter : 50mA<br>● Receiver : 50mA   |
| Tamper signal                  | Dry contact output 1b (N/C)<br>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   |
| Weight                         | Transmitter 710g Receiver 760g   |
| Appearance                     | PC resin (Wine red)  |

※The specifications are subject to change without notice.

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

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