



FTN-B-PT/

FTN-R-PT Battery operated model with 2 PIRs **FTN-RAM-PT** FTN-R-PT with anti-masking

FEATURES

- Narrow Angle Detection
- Detection Range Adjustability (2m / 5m)
- Intelligent AND logic
- · Digital Anti-Masking (RAM model)
- · Horizontal Adjustability
- Tamper Output
- Wall Tamper (option)

CONTENTS

1	INTRODUCTION	
	1-1 BEFORE INSTALLATION	2
	1-2 PARTS IDENTIFICATION	3
	1-3 DETECTION AREA	3
2	INSTALLATION	
	2-1 MOUNTING	4
3	WALK TEST	
	3-1 WALK TEST	6
4	DIP SWITCH SETTING	
	4-1 WALK TEST MODE	7
	4-2 BATTERY SAVING TIMER	7
	4-3 ALARM & TROUBLE OUTPUT	7
	4-4 LED	
	4-5 PIR SENSITIVITY	8
	4-6 ANTI-MASKING	8
5	OTHERS	
	5-1 LED LIGHT PATTERN	9
6	HOW TO REPLACE BATTRY	9
7	SPECIFICATIONS	
	7-1 SPECIFICATIONS	10
	7-2 DIMENSIONS	11

1 INTRODUCTION

-1 BEFORE INSTALLATION

 Awarning
 Failure to follow the instructions provided with this indication and improper handling may cause death or serious injury.

 Acaution
 Failure to follow the instructions provided with this indication and improper

handling may cause injury and/or property damage.

The check 🗸 mark indicates recommendation.

The nix \bigotimes sign indicates prohibition.







- 2 -

1-2 PARTS IDENTIFICATION



-3 DETECTION AREA



2 INSTALLATION



• Be sure to set the screw cap after installing the mounting base.



- 5 -



3 WALK TEST

3-1 WALK TEST

1 Set the DIP switch 1 (WALK TEST MODE) to "ON (TEST)".



Note>>

• The switch is set to "ON (TEST)" by factory default.

2 Check that LED lights for 2 seconds when the intended object is detected.





Δ

Set the DIP switch 1 (WALK TEST MODE) to "OFF (NORM)".





N.O.	N.O. output
N.C. (Factory default)	N.C. output
_	

. .

4-4 LED		DIP switch 4 FTN-R-PT FTN-RAM-PT				
ON ON	Position	Function				
	ON	LED ON				
<u>123456</u> OFF	OFF (Factory default)	LED OFF Note>> • If the LED lights, check the DIP switch 1 (WALKTEST MODE) setting.				
4-5 PIR SENSITIVITY DIP switch 5 FTN-R-PT FTN-RAM-PT						
	Position	Function				
	STD (Factory default)	Normal sensitivity				
	LOW	Low sensitivity				
4-6 ANTI-MASKING	DIP switch 6					
	Position	Function				
	ON (Factory default)	ANTI-MASKING ON				

-ANTI-MASKING function

When masking condition continues more than 3 minutes, TROUBLE will be generated.

default) OFF

TROUBLE is generated after 20 seconds under the anti-masking test mode.

Teaching mode starts when both the separate box cover and the main unit cover are attached.

Please be careful not to leave any object within 1 m from the unit.



ANTI-MASKING OFF

5 **OTHERS** LED LIGHT PATTERN The following explains the LED light pattern. LED OFF Blink Light LED indicator **Detector condition** Warm-up Note>> • The LED blinks even if the DIP switch 4 (LED) is set to "OFF". Blinks for approx. 120 seconds. Alarm Lights for 2 seconds. Masking detection (FTN-RAM-PT only) Blinks 3 times and then repeats.

HOW TO REPLACE BATTERY 6

Remove the bracket and main 1 section.



Replace the battery. 2





3 Attach the bracket and main section.



7-1 SPECIFICATIONS

Model	FTN-R-PT	FTN-RAM-PT	
Detection method	Passive infrared		
PIR coverage	5 × 1 m (16'5" × 3'3")		
Detection length limit	2 m, 5 m (6'7", 16'5")		
Detectable speed	0.3 – 1.5 m/s (1' – 4'11"/s)		
Sensitivity	2.0°C (at 0.6 m/s) (3.6°F (at 2'/s))		
Operation voltage	2.5 – 10 V DC		
Power input	3 – 9 V DC (Lithium or Alkaline Battery)		
Current draw	9 μA standby / 3 mA max. at 3 V DC	10 μA standby / 3 mA max. at 3 V DC	
Alarm period 2.0 ±1.0 sec.			
Warm-up period	Approx. 120 sec. (LED blinks)		
Alarm output	N.C./N.O. Selectable-Solid State Switch 10 V DC 0.01 A (max.)		
Trouble output	N.C./N.O. Selectable-Solid State Switch 10 V DC 0.01 A (max.)		
LED indicator	Enable: During DIP switch 1 (WALK TEST MODE) or DIP switch 4 (LED) ON Disable: During normal operation Light/Blink: Warm-up, alarm, masking detection (FTN-RAM-PT only)		
RF Interference	F Interference No alarm 10 V/m		
Operation temperature	-20 - +60°C (-4 - +140°F)		
Environment humidity	95% max.		
Weatherproof	IP55		
Mounting	Wall (Outdoor, Indoor)		
Mounting height	0.8 – 1.2 m (2'7" – 3'11")		
Weight	180 g (6.4 oz.) without wireless transmitter and battery		
Accessories	screw (3 × 20 mm) × 2		

*Specifications and design are subject to change without prior notice.

7-2 **DIMENSIONS**



Note>>

• These units are designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion.



OPTEX INC. (U.S.) URL: http://www.optexamerica.com/

OPTEX DO BRASIL LTDA. (Brazil) URL: http://www.optex.net/br/es/sec/

OPTEX (EUROPE) LTD. / EMEA HQ (U.K.) URL: http://www.optexeurope.com/

OPTEX CO., LTD. (JAPAN)

URL: http://www.optex.net/

OPTEX TECHNOLOGIES B.V. (The Netherlands) URL: http://www.optex.nl/

OPTEX SECURITY SAS (France) URL: http://www.optex-security.com/

OPTEX SECURITY Sp.z o.o. (Poland) URL: http://www.optex.com.pl/ OPTEX PINNACLE INDIA, PVT., LTD. (India) URL: http://www.optex.net./in/en/sec/

OPTEX KOREA CO.,LTD. (Korea) URL: http://www.optexkorea.com/

OPTEX (DONGGUAN) CO.,LTD. SHANGHAI OFFICE (China) URL: http://www.optexchina.com/