

BATTERY OPERATED WIRELESS READY TWIN BEAM

DOUBLE MODULATION

TXF-20TDM

**UP TO 20m(66ft) OUTDOOR
PHOTOELECTRIC BEAM SENSOR**

FEATURES

- 2x Synchronised high power beams
- Double modulation for increased light immunity
- 4 Selectable beam channels to prevent crosstalk
- Up to 3 years battery life using 4 x LS33600 (3.6V 17Ah) batteries (TX:2pcs, RX:2pcs)
- ±95° horizontal / ±10° vertical adjustment
- Compatible with numerous wireless transmitter units
- IP55 Housing



Ideal for rapid deployment; create temporary or permanent secure intruder detection systems without costly groundworks

HIGHEST RELIABILITY

Double modulation technology ensures stability and reduces the possibility of unwanted activations from ambient light.

COMPACT DESIGN

TXF-20TDM features a slim, compact design with quick access to the wireless transmitter/battery holder for easy maintenance.

ULTRA VERSATILE ADJUSTMENT

Featuring ±95° horizontal and ±10° vertical optical head adjustment, TXF-20TDM can provide high performance intrusion detection in many applications.

SAVES TIME AND MONEY

Designed for compatibility with leading wireless systems, TXF-20TDM dramatically reduces the time and cost of installations by requiring no wiring or civil engineering work, ideal for rapid deployment in temporary or permanent secure perimeter intruder detection systems.

LONG BATTERY LIFE

4x3.6V (17Ah) batteries (TX:2pcs, RX:2pcs) can power TXF-20TDM for up to 3 years of service, with the option of battery sharing for wireless transmitter units.

OTHER FUNCTIONS

Enhanced features include a drip-proof housing designed to channel precipitation away from the face of the beam, anti-bird spikes (option) to prevent our feathered friends from alighting on the units, a sound check function for easy alignment, and lightning surge protection.

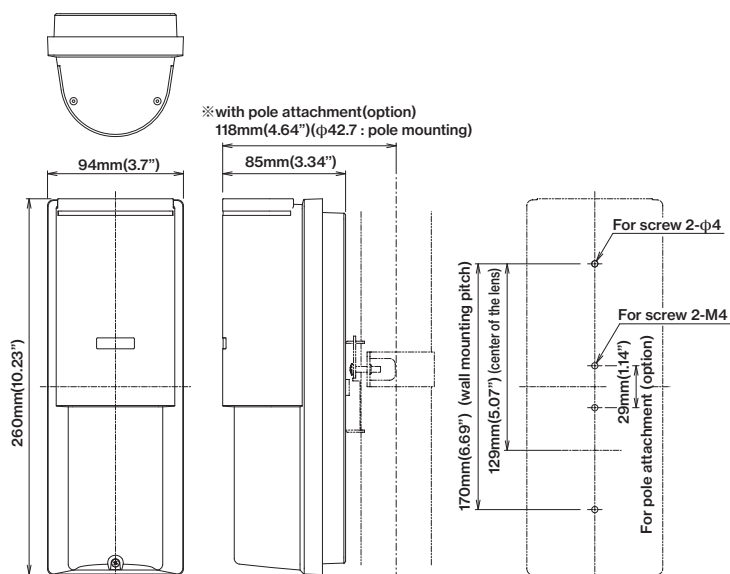
BATTERY OPERATED PHOTOELECTRIC BEAM SENSOR

SPECIFICATIONS

BATTERY OPERATED PHOTOELECTRIC BEAM SENSOR	
Model	TXF-20TDM
Detection system	Near infrared pulsed beam interruption system (TR-RE 2 beam simultaneous interruption)
Infrared beam	Double modulation pulsed beam by LED (near infrared beam light-emitting diode)
Protection distance	Outdoor 20m(66') or less
Distance margin (maximum arrival distance)	10 times 200m(660')
Response time	50ms, 100ms, 250ms, 500ms (4-level changeover)
Modulated beam frequency selection	4 channels
Power supply voltage	3.6VDC (recommended battery : SAFT lithium-thionyl chloride battery LS33600)
Current consumption	Transmitter : Approx. 670 μ A (during protection) Receiver : Approx. 520 μ A (during protection) (normal temperature, 3.6V DC)
Battery life	Transmitter : Approx.3 years (at normal temperature, with 2 recommended batteries, excluding wireless transmitter) Receiver : Approx.3 years (detects 100 times a day, at normal temperature, with 2 recommended batteries, excluding wireless transmitter)
Alarm output (receiver only)	Contact method : Solid state switch form C Contact capacity : 3.6V DC 0.01A (resistive load)
Low battery output (transmitter and receiver)	Contact method : Solid state switch (N.O.) Contact capacity : 3.6V DC 0.01A (resistive load)
Tamper output (cover) (transmitter and receiver)	Contact method : Solid state switch (N.C.) Contact capacity : 3.6V DC 0.01A (resistive load)
Power output (transmitter and receiver)	3.0 to 3.6V DC 65mA max. (2 \times new batteries)
Beam adjustment	Horizontal : $\pm 95^\circ$, Vertical : $\pm 10^\circ$
Alarm LED	Red LED (Receiver) ON : when alarm is generated (Active only when the cover is open)
Attenuation LED	Red LED (Receiver) ON : when beam is attenuated (Active only when the cover is open)
Ambient temperature	-25°C to +60°C (-13°F to +140°F) (No freezing or condensation) (The battery function may decrease at 0°C or less, or +40°C or more)
Functions	Sound check, Monitor jack, Low battery indication, Battery saving, Repeat output
IP rating	IP 55
Mounting position	Outdoor, Indoor
Weight	Transmitter : 500g (17.6oz) (excluding batteries) Receiver : 520g (18.3oz) (excluding batteries)
Appearance	Cover : Resin (Wine red) Base : Resin (Black)

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

EXTERNAL DIMENSIONS



OPTIONS

● Pole attachment (2 pcs)
<BP-60A>



● Anti-bird spike (2 pcs)



● Pole (2 pcs)
<KP-48>



H: 48cm (18.9")

Limited Warranty :

TAKEX products are warranted to be free from defects in material and workmanship for 12 months from original date of shipment. Our warranty does not cover damage or failure caused by Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation, improper maintenance or any repairs other than those provided by TAKEX. All implied warranties with respect to TAKEX, including implied warranties for merchantability and implied warranties for fitness, are limited in duration to 12 months from original date of shipment. During the Warranty Period, TAKEX will repair or replace, at its sole option, free of charge, any defective parts returned prepaid. Please provide the model number of the products, original date of shipment and nature of difficulty being experienced. There will be charges rendered for product repairs made after our Warranty period has expired.



In Japan

Takenaka Engineering Co., Ltd.
83-1, Gojo-Dori, Sotokan Nishi-iru, Higashino,
Yamashina-ku, Kyoto 607-8156, Japan
Tel : 81-75-501-6651

<https://www.takex-eng.co.jp/>

In the U.S.

Takex America Inc.
1810 Oakland Rd, Suite F,
San Jose, CA 95131, USA
Tel : 408-747-0100

<https://www.takex.com>

In Australia

Takex America Inc.
4/15 Howleys Road, Notting Hill,
VIC, 3168
Tel : +61 (03) 9544-2477

<https://www.takex.com>

In the U.K.

Takex Europe Ltd.
Aviary Court, Wade Road,
Basingstoke, Hampshire. RG24 8PE, U.K.
Tel : (+44) 01256-475555

<https://www.takex.com>