

TAKEX

TQ/TC SERIES

PRE-ASSEMBLED BEAM TOWERS

Concealed active infrared beams provide discrete highly reliable site protection for large domestic, commercial and industrial premises. Ideal for intruder detection and camera activation, our pre-assembled beam towers guard against perimeter breaches and provide essential advanced warning of trespassers.

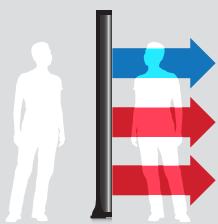
TAKEX is the only manufacturer to employ a triple signal and verification system that provides unsurpassed stability and immunity for high security installations. The system constantly monitors for environmental changes that could affect the performance of the system. By making sensitivity adjustments the system can continue to offer a reliable method of detection in some of the worst weather conditions.

The pre-assembled solution provides easy specification and quick installation, reducing costly administration and on-site time.

TQ SERIES / TQ-3 SERIES

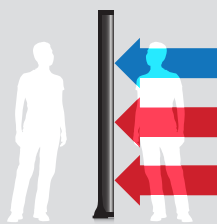
The TQ series can detect walking and running intrusion at distances up to 200m

TQS-TX



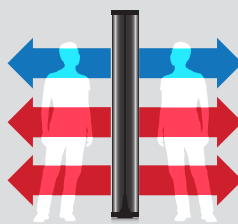
Single-Sided Transmitter Tower

TQS-RX



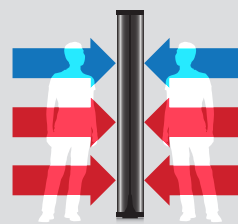
Single-Sided Receiver Tower

TQD-TX



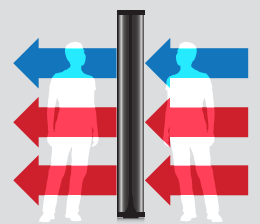
Double-Sided Transmitter Tower

TQD-RX



Double-Sided Receiver Tower

TQD-TRX

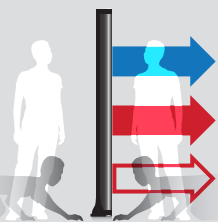


Double-Sided Transmitter/Receiver Tower

TC SERIES / TC-3 SERIES

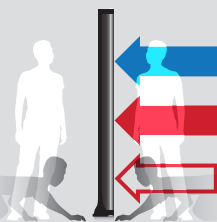
The TC series can detect crawling, walking and running intrusion up to 100m

TCS-TX



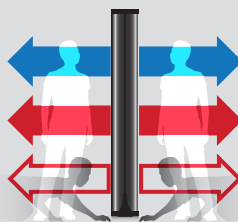
Single-Sided Transmitter Tower

TCS-RX



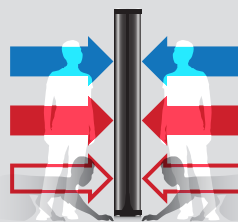
Single-Sided Receiver Tower

TCD-TX



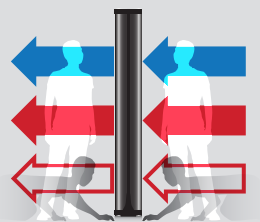
Double-Sided Transmitter Tower

TCD-RX



Double-Sided Receiver Tower

TCD-TRX



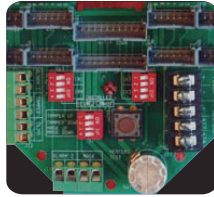
Double-Sided Transmitter/Receiver Tower



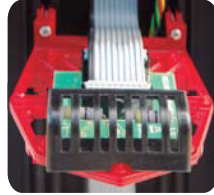
PRE-ASSEMBLED TOWER OPTIONS

TQ/TC Towers are supplied fully assembled, tested and ready for installation in the following configurations:

Series	TQ	TQ-3	TC	TC-3
Quad Beams	2	3	1	2
Anti-crawl Beam	-	-	1	1
Heaters	•	•	•	•
Fan	•	•	•	•
Motherboard	•	•	•	•
Tamper Switch	•	•	•	•
Anti-Climb Switch	-	-	•	•



A single connection point for the beam towers - all pre-wired beams and external wiring connections are made to the Motherboard (12V or 24V supplies to the beams and a separate supply input for the heaters), including Alarm / Tamper / Environmental outputs common from all beams. The mother board also houses the thermostat for controlling the heaters and fans (subject to configuration).



12/24V Heater: One heater is included per Transmitter/Receiver unit contained in the tower.

There are 3 possible configurations as follows:

12V – 250mA – 3W Uses just one resistance.

12V – 500mA – 6W Uses two resistances.

24V – 250mA – 6W Uses two resistances.

SPECIFICATIONS

Model	TCS-TX	TCS-RX	TCD-TX	TCD-RX	TCD-TRX
Detection type	Quad + Anti-Crawl	Quad + Anti-crawl	Quad + Anti-crawl	Quad + Anti-crawl	Quad + Anti-crawl
Protection distance	10-100m	10-100m	10-100m	10-100m	10-100m
Signal power adjust	•	-	•	-	•
Arrival distance (max)	1000m	-	1000m	-	1000m
Tower height	2m	2m	2m	2m	2m
Field of view	180°	180°	360°	360°	360°
Input voltage	12-30VDC	12-30VDC	12-30VDC	12-30VDC	12-30VDC
Alarm output	-	N.C. 30V(AC/DC) 1A	-	N.C. 30V(AC/DC) 1A	N.C. 30V(AC/DC) 1A
Tamper output	N.C.	N.C.	N.C.	N.C.	N.C.
Anti-climb	N.C.	N.C.	N.C.	N.C.	N.C.
Environmental	-	N.C. 30V(AC/DC) 0.5A	-	N.C. 30V(AC/DC) 0.5A	N.C. 30V(AC/DC) 0.5A
Response time	Quad Anti-Crawl: AND Anti-Crawl: OR	0.05 sec - 0.7 sec 0.35 sec - 0.5 sec 0.1 sec - 0.5 sec	- - -	0.05 sec - 0.7 sec 0.35 sec - 0.5 sec 0.1 sec - 0.5 sec	0.05 sec - 0.7 sec 0.35 sec - 0.5 sec 0.1 sec - 0.5 sec

Model	TQS-TX	TQS-RX	TQD-TX	TQD-RX	TQD-TRX
Detection type	Quad	Quad	Quad	Quad	Quad
Protection distance	10-200m	10-200m	10-200m	10-200m	10-200m
Signal power adjust	•	-	•	-	•
Arrival distance (max)	2000m	-	2000m	-	2000m
Tower height	2m	2m	2m	2m	2m
Field of view	180°	180°	360°	360°	360°
Input voltage	12-30VDC	12-30VDC	12-30VDC	12-30VDC	12-30VDC
Alarm output	-	N.C. 30V(AC/DC) 1A	-	N.C. 30V(AC/DC) 1A	N.C. 30V(AC/DC) 1A
Tamper output	N.C.	N.C.	N.C.	N.C.	N.C.
Anti-climb	N.C.	N.C.	N.C.	N.C.	N.C.
Environmental	-	N.C. 30V(AC/DC) 0.5A	-	N.C. 30V(AC/DC) 0.5A	N.C. 30V(AC/DC) 0.5A
Response time	-	0.05 sec - 0.7 sec	-	0.05 sec - 0.7 sec	0.05 sec - 0.7 sec

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