

# TAKEX

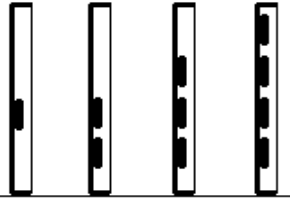
## TAKEX BEAM TOWER POWER REQUIREMENTS FOR QUAD BEAMS WITH TAH HEATERS FOR EITHER: 12VDC OR: 24VDC OPERATION

**NOTES:**

- a. 'Beam Unit' means either a Transmitter (Tx) or a Receiver (Rx); 'Beam Set' means 1 x Tx and 1 x Rx (ie. a set of beams).
- b. Heaters with Thermostats are recommended for sites where frost is anticipated.
- c. 1 x PTS Thermostat is required per tower, and 1 x TAH Heater is required per beam unit (i.e. 2 x Heaters per beam set).
- d. Beam Towers (beams and heaters) can be operated on 12VDC or 24VDC.
- e. TAH Heaters are rated at 12VDC 250mA (9W) or 24VDC 250mA (18W)- **NOTE different terminals for 12VDC or 24VDC operation.**

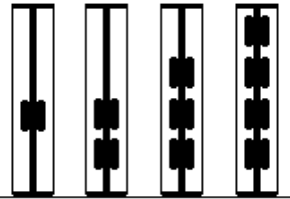
### 12VDC POWER REQUIREMENTS PER TOWER (IF USING 12VDC POWER SUPPLIES):

**SINGLE-SIDED TOWERS:**



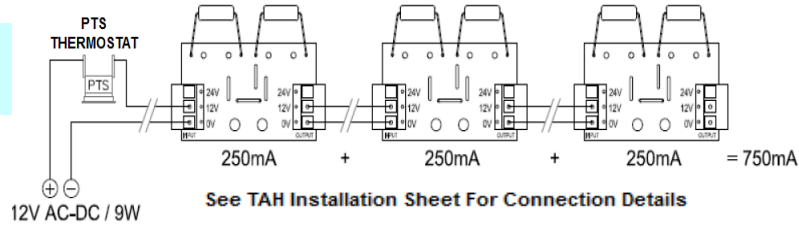
Beam Units Per Side	Beam Current At 12VDC	Heater Current At 12VDC	Tower Current TOTAL At 12VDC
1	75mA	250mA	<b>325mA (0.325A)</b>
2	150mA	500mA	<b>650mA (0.65A)</b>
3	225mA	750mA	<b>975mA (0.975A)</b>
4	300mA	1A	<b>1.3A</b>

**DOUBLE-SIDED TOWERS:**



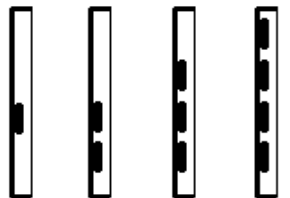
Beam Units Per Side	Beam Current At 12VDC	Heater Current At 12VDC	Tower Current TOTAL At 12VDC
1 (2 in Total)	150mA	500mA	<b>650mA (0.65A)</b>
2 (4 in Total)	300mA	1A	<b>1.3A</b>
3 (6 in Total)	450mA	1.5A	<b>1.95A</b>
4 (8 in Total)	600mA	2A	<b>2.6A</b>

**SUGGESTED HEATER CONNECTIONS FOR 12VDC SYSTEMS:**



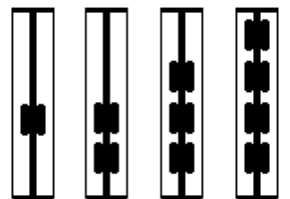
### 24VDC POWER REQUIREMENTS PER TOWER (IF USING 24VDC POWER SUPPLIES):

**SINGLE-SIDED TOWERS:**



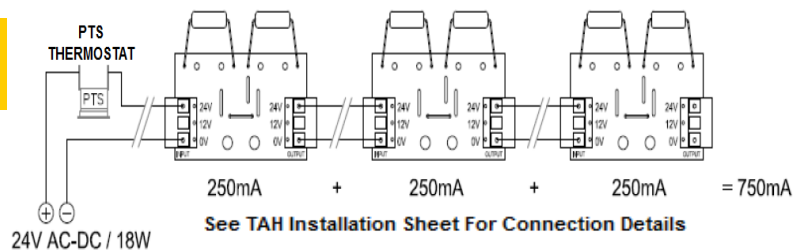
Beam Units Per Side	Beam Current At 24VDC	Heater Current At 24VDC	Tower Current TOTAL At 24VDC
1	60mA	250mA	<b>310mA (0.31A)</b>
2	120mA	500mA	<b>620mA (0.62A)</b>
3	180mA	750mA	<b>930mA (0.93A)</b>
4	240mA	1A	<b>1.24A</b>

**DOUBLE-SIDED TOWERS:**



Beam Units Per Side	Beam Current At 24VDC	Heater Current At 24VDC	Tower Current TOTAL At 24VDC
1 (2 in Total)	120mA	500mA	<b>620mA (0.62A)</b>
2 (4 in Total)	240mA	1A	<b>1.24A</b>
3 (6 in Total)	360mA	1.5A	<b>1.86A</b>
4 (8 in Total)	480mA	2A	<b>2.48A</b>

**SUGGESTED HEATER CONNECTIONS FOR 24VDC SYSTEMS:**



**FOR ASSISTANCE CONTACT TAKEX ON: 01256-475555**