

TAKEX

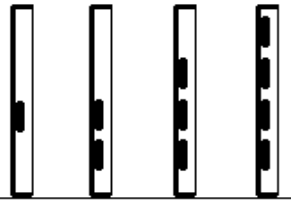
TAKEX BEAM TOWER POWER REQUIREMENTS FOR QUAD BEAMS WITH TAH HEATERS FOR EITHER: 12VDC OR: 24VDC OPERATION

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.**

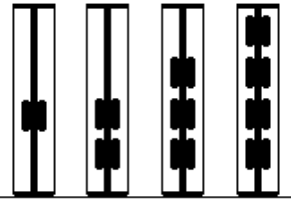
12VDC POWER REQUIREMENTS PER TOWER (IF USING 12VDC POWER SUPPLIES):

SINGLE-SIDED TOWERS:



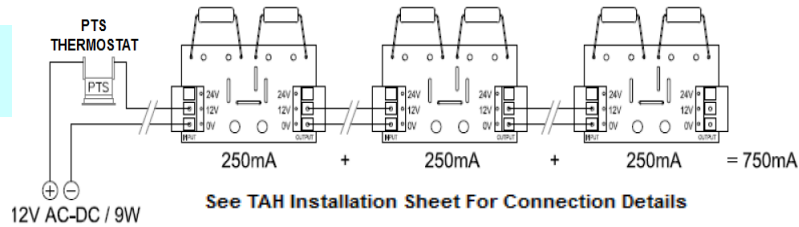
| Beam Units Per Side | Beam Current At 12VDC | Heater Current At 12VDC | Tower Current TOTAL At 12VDC |
|---------------------|-----------------------|-------------------------|------------------------------|
| 1 | 75mA | 250mA | 325mA (0.325A) |
| 2 | 150mA | 500mA | 650mA (0.65A) |
| 3 | 225mA | 750mA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

DOUBLE-SIDED TOWERS:



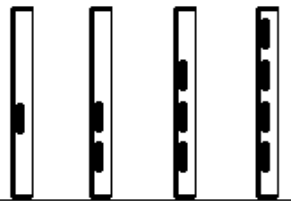
| Beam Units Per Side | Beam Current At 12VDC | Heater Current At 12VDC | Tower Current TOTAL At 12VDC |
|---------------------|-----------------------|-------------------------|------------------------------|
| 1 (2 in Total) | 150mA | 500mA | 650mA (0.65A) |
| 2 (4 in Total) | 300mA | 1A | 1.3A |
|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

SUGGESTED HEATER CONNECTIONS FOR 12VDC SYSTEMS:



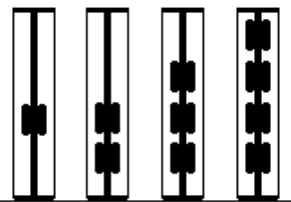
24VDC POWER REQUIREMENTS PER TOWER (IF USING 24VDC POWER SUPPLIES):

SINGLE-SIDED TOWERS:



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

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 | 620mA (0.62A) |
| 2 (4 in Total) | 240mA | 1A | 1.24A |
| 3 (6 in Total) | 360mA | 1.5A | 1.86A |
| 4 (8 in Total) | 480mA | 2A | 2.48A |

SUGGESTED HEATER CONNECTIONS FOR 24VDC SYSTEMS:

