

With the exception of remote control, read the KiloArc Lamp Operation Manual for all other description of the KiloArc lamp.

Remote control option for the KiloArc

Voltage ranges for each operating mode

OFF / Cool Down region: 0 V to approximately 0.803 V

Maintain minimum output region (800 W): from approx. 0.941 V to approx. 1.941 V

Power output selection region (800 W to 1200 W): from approx. 1.961 V to 5 V

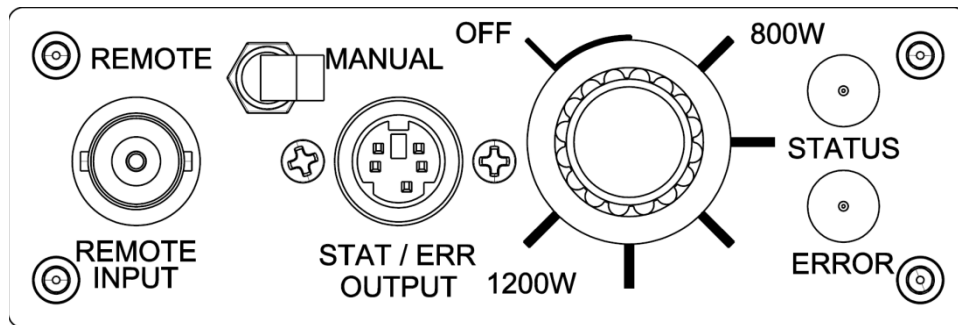
Miscellaneous information

$1200\text{ W} - 800\text{ W} = 400\text{ W range} \Rightarrow 5\text{ V} - 1.961\text{ V} = 3.039\text{ V range}$

155 step size resolution

$400\text{ W} / 155\text{ steps} = 2.5801\text{ W per step}$, or $3.039\text{ V} / 155\text{ steps} = 0.019606\text{ V per step}$

Connections and setup



Remote Control Panel

Insert the Remote Status cable 5 pin connector in the STAT / ERR OUTPUT socket.

Connect the BNC cable to the REMOTE INPUT socket.

Move the REMOTE / MANUAL switch to REMOTE.

Remote Control Operation

Follow the Manual Operation procedure on pages 23 - 24 of the KiloArc Lamp Operation Manual using the remote control instead of the Power Control knob.

Remote Status cable 5 pin connector

View from soldering side

- Ground - black wire
- Green Status LED – green wire
- Red Status LED – red wire
- Blue Status LED - blue wire
- Red Error LED – Orange wire

