



Corona Supplies Ltd

for all your corona needs

GT Range - Generator Indicator Lamps & Front Panel Controls

Interlocks Closed Lamp.

If this lamp is illuminated, it indicates that all the safety switches fitted on the treater are closed i.e. all doors/windows are shut, the ozone extraction fan is running and (if fitted) and the emergency stop has not been depressed. **Note: This lamp, together with the up to speed lamp must be illuminated, otherwise the corona discharge will not start.**

Up To Speed Lamp.

In order to eliminate a corona discharge onto a stationary web, all Corona Supplies treaters supplied with a rotating roll are fitted with a zero speed switch. Once the line is up to speed this lamp should illuminate (and corona discharge will occur). If for any reason the line is stopped, the corona will be switched off automatically, and will only re-start once the line is again up to speed. **Note: As with the interlock lamp, this must be illuminated before corona discharge can take place.**

Treat On Lamp.

This lamp illuminates once the corona is discharging at the treater. **Note: the following conditions must first be met:-**

- The interlocks closed lamp must be on.
- The up to speed lamp must be on.
- The Start/Stop button must be depressed.

Trip Lamp.

This lamp when illuminated indicates a problem at the treater station. It shows that there is a short circuit of the HT potential to ground or there is a fault with the running of the generator.

High/Low Alarm Lamp.

This lamp is always on if the treatment process is stopped. It indicates treatment is not taking place. Depending on which style of generator is being used, the upper and lower alarm thresholds can be set by adjusting the two thumbwheels adjacent to the digital meter. **Note: Even with the alarm lamp illuminated the corona will continue to discharge. The lamp is only for High/Low output indication.**

Mains On Lamp.

If this lamp is illuminated, then voltage is present to the generator and the circuit breaker is switched on.

Start/Stop Button.

Assuming the mains power is switched on at the circuit breaker, and the interlocks and up to speed lamps are illuminated. Depressing the start button once allows the output stage of the generator to become energized and the treatment process to begin. Depressing the same button again causes the treatment to cease.

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Overtemperature Lamp.

This lamp, if illuminated, means that the inverter is running too hot. Therefore the generator will shut down until such time as the inverter has reached a cooler temperature.

Digital Meter.

Depending on which generator is being used, treatment can be adjusted from zero to maximum power. Displayed in "units" it is used to indicate the current flowing through the secondary side of the generator.