**SPECTRA II - LOCAL CONTROL PANEL**

### Lamp Power

<table>
<thead>
<tr>
<th>Lamp Power</th>
<th>1.0 kW</th>
<th>1.3 kW</th>
<th>1.5 kW*</th>
<th>2.0 kW</th>
<th>2.5 kW</th>
<th>3.0 kW</th>
<th>3.5 kW</th>
<th>5.0 kW</th>
<th>7.3 kW</th>
</tr>
</thead>
</table>

### Power Requirements
- **Lamp Power Supply**
- **Mains Power**
  - 230 V
- **Phase + Neutral + Earth**
  - 1 Ph+N+E
- **Frequency**
  - 50 Hz

### Design Features
- **Ingress Protection**
  - IP54
- **Operational Temperature**
  - Max Working Ambient Temperature + 45 °C
- **Cabinet**
  - Epoxy Coated Mild Steel / Forced Air Cooled (Fan)
- **Standard Colour**
  - RAL 7035
- **Protection**
  - Door Locked Isolator, Earth Leakage Protection
- **Installation**
  - Install in a dry and well ventilated area, out of direct sunlight

### Advanced Features
- **Design**
  - Microprocessor
- **Spectra 2 Interface**
  - Soft touch push button with 4 line text display - Suitable for gloved operation
- **Spectra 2 Touch Interface**
  - 7" Resistive Touch Screen HMI - Full Colour Display - Suitable for gloved operation
- **Control Function**
  - Boost (used for chlorine control) / Low Flow (used for filter backwash process) / Valve Control
- **Lamp Information**
  - Lamp running / Lamp current / Lamp hours run / Lamp strikes / Cause of lamp faults

### Interfacing & Operation
- **Analogue Signals**
  - Flow rate / UVT%
- **Standard Alarms**
  - Low UV Dose / Over Temperature Chamber / Over Temperature PSU / Wiper Fault / Lamp Failure / Lamp Hours
- **Power Alarms**
  - Ground Fault / Brownout Recovery / Blackout Recovery
- **Communication**
  - Modbus / Data Stream (other fieldbus options available)
- **Operation**
  - Local / Remote or Comms Operation / UV Dose Set Point / Full/Variable Power
- **Process Interlocks**
  - Enables an external device (switch, pump, alarm etc) to stop the running of the UV lamps
- **Data Logging**
  - Data logging facility via the internet / SD card to record and monitor the performance of the UV system
- **Standard Cable Length**
  - 5 m

### Available Upgrade Options
- **Material Upgrades**
  - 304 stainless steel / 316L stainless steel / painting
- **Design Upgrades**
- **Voltages**
  - Available In Other Voltages
- **Power Upgrades**
  - Step-down Transformer / Step-up Transformer
- **Frequency**
  - Available In 60 Hz
- **Ingress Protection**
  - IP56 / IP65 / IP66
- **ATEX**
  - Hazardous Area - ATEX Zone 1 & 2, Temperature Class T3, Gas Group IIC
- **Additional**
  - HVAC Air-conditioning / Form 2 / Form 4 / Additional Alarm Relays & Contacts / Panel Colours

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* Excludes WF range, which utilises 230 V with 1 Ph+N+E. See WF range data sheet for further details.

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*EXPERTS IN ULTRAVIOLET DISINFECTION*

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The products described in this document may be protected by one or more patents. For a list of patents owned by atg UV Technology, please speak to your account manager or request by email.

Lenntech
info@lenntech.com Tel. +31-152-610-900 www.lenntech.com Fax. +31-152-616-289