SYNERGY 2 - LOCAL CONTROL PANEL

### Power Requirements
- **Lamp Power Supply**
  - **Type**: High Frequency Electronic Ballast
- **Mains Power Supply**
  - **230 V / 1 Phase + Neutral + Earth**
  - **Frequency**: 50 / 60 Hz

### Design Features
- **Ingress Protection**: IP54
- **Operational Temperature**: Max Working Ambient Temperature +35 °C
- **Installation**: Wall Mounted
- **Enclosure Construction**: Mild Steel - Epoxy Coated - Hinged Enclosure
- **Standard Colour**: RAL 7035
- **UV Intensity Monitor**: Included as Standard (AT-605)

### Control & Display
- **Control**: Microprocessor - with STOP/ START/ RESET soft touch push button suitable for gloved operation
- **LED Indicators**:
  - System Running
  - Process Interlock (Pump interface)
  - Change Lamp
  - Panel Over Temperature Fault
  - Bleed Temp (Temperature Monitor Option)
  - Lamp Fault
  - Chamber Over Temperature Fault (Temperature Monitor Option)
- **LED Bar Graph Display**:
  - UV Intensity
  - Chamber Temperature (Temperature Monitor Option)

### Output & Input
- **Output**:
  - System Healthy Contact (VFC)
  - Water Shut Off Solenoid Contact (VFC)
  - UV Intensity Healthy Contact (VFC)
  - High Temperature Bleed Solenoid Contact (Temperature option) (VFC)
- **Input**:
  - Remote STOP / START (Select)able (VFC)
  - Pump RUN/ Stop Process Interlock (Select)able (VFC)

### Options & Upgrades
- Chamber Temperature Monitor - AT-487 (PT-100)

### Synergy 2 - Dimensions
<table>
<thead>
<tr>
<th></th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
<th>Weight</th>
<th>Standard cable length</th>
<th>Maximum cable distance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Width</strong></td>
<td>435 mm</td>
<td>275 mm</td>
<td>167 mm</td>
<td>9 kg</td>
<td>5 metres</td>
<td>Other Cable Lengths Available On Request</td>
</tr>
</tbody>
</table>

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**TYPICAL LAYOUT**

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**DATA SHEET - UV DISINFECTION SYSTEMS**

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