

SPECTRA II - LOCAL CONTROL PANEL

Lamp Power	15-340 W	1.0 kW	1.3 kW	1.5 kW *	2.0 kW	2.5 kW	3.0 kW	3.5 kW	5.0 kW	7.3 kW
Power Requirements										
Lamp Power Supply	Ballast	Choke	Choke	Choke	Choke	Choke	Choke	ELC	ELC	ELC
Mains Power	230 V	230 V	230 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V
Phase + Neutral + Earth	1 Ph+N+E	1 Ph+N+E	1 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E
Frequency	50/60 Hz	50 Hz						50/60 Hz		
Variable Power	Full Power	100% - 50% Power in 1% Steps						100% - 50% Power		

Design Features	
Ingress Protection	IP54
Operational Temperature	Max +35 °C 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 stikes / 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	WIMES 3.04 / Ruggedized Design / Marine Specification / Offshore Specification / ATEX Hazardous Area Zones 1 & 2
Voltages	Available In Other Voltages
Power Upgrades	Step-down Transfomer / 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

* Excludes WF range, which utilises 230 V with 1 Ph+N+E. See WF range data sheet for further details.
** Hinged Enclosure / Door Locked Isolator

TYPICAL LAYOUT - SPECTRA II



TYPICAL LAYOUT - SPECTRA II TOUCH

