



SUNHORSE

FULHAM



PROGRAMMABLE SUNHORSE BALLASTS FOR GERMICIDAL UV APPLICATIONS AND TANNING

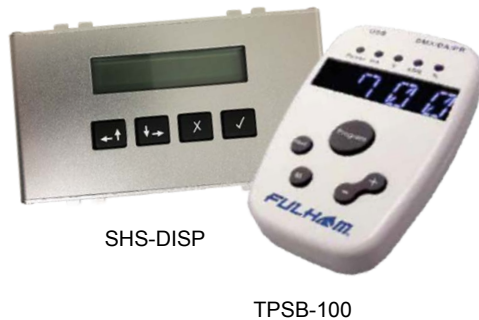
- Achieve the versatility you need via two convenient, **programmable** ballasts – especially when dedicated components are in short supply
- Achieve economies of scale and convenience when ordering larger QTYs of fewer SKUs

ADDED FEATURES / BENEFITS:

- Remote ON/OFF Port Connection turns Output ON/OFF w/o removing input power to ballast
- I2C RJ12 Port Connection for future I2C communication or addition of sensors/accessories
- Option to log/store lamp manufacturer and part number information in ballast memory of paired UV lamp for future ease of replacement
- Ballast and Lamp Operation Indicator Output
- 1 or 2 Lamp Operation

Programmable SunHorse Germicidal UV Ballasts offer the convenience of SKU reduction via programmable lamp current and substitution in the event of supply shortages.

	SHS15P-UNV-H	SHS4P-UNV-C
Output Current Range (+/-10%)	800-1200mA 800mA default	340-840mA 800mA default
Input Voltage	120-277V UNV	100-277V UNV
Frequency Rating	50/60Hz	50/60Hz
Max Ballast Wattage	310W/260W	112/95W
Power Factor	>0.9	>0.9@≥60W load
Total Harmonic Distortion	See spec sheet	≤20%@≥60W load
Start Type	Programmed Rapid Start Type R.S	Programmed Rapid Start Type R.S
L x W x H (in)	10.00 x 2.80 x 1.79	6.77 x 3.02 x 1.27
L x W x H (mm)	254 x 71.1 x 45.4	172 x 76.7 x 32.2
Minimum Starting Temperature	-20°C (-4°F)	-20°C (-4°F)
CULUS and CE	Yes	Yes
PSE (for Japan)	Yes	Yes



LEGACY FULHAM PROGRAMMER TPSB-100 & NEW DISPLAY SHS-DISP

The pre-existing Fulham handheld programmer TPSB-100 is an easy-to-use tool for programming parameters of SunHorse programmable ballasts, e.g. the current, voltage, dimming curve, LED groups, terminal resistor and lowest dimming percentage.

The new SunHorse Digital LCD Display SHS-DISP is a more robust device that expands user options. Attributes include:

- NO/NC Relay
- Lamp Status 5VDC Digital Output
- Future I2C Sensor Implementation
- Multi-Ballast Monitoring/Control
- Audible buzzer alarm notifications
- Lamp failure and lamp hour end of life notifications
- 5VDC Digital Input for use with Smart and non-smart ballasts
- Can operate as a standalone lamp hour counter for non-smart ballasts
- Powered by SHS Ballast RJ12 connection (directly from the ballast), 24VDC Barrel Plug, 12VAC/24VAC, or USB-C
- Displays stored data about lamp manufacturer and part number from SunHorse ballast memory



SHS15P-UNV-H & SHS-DISP combination spec sheet



SHS4P-UNV-C & SHS-DISP combination spec sheet



TPSB-100 spec sheet