



ELC ENVIRONMENT CONTROL PANEL

Configuration:	User Interface 10.1" LCD Display with Resistance Touch Screen
Hardware Features:	12 VDC Non-volatile memory
Network Features:	Stellar Mesh Network

TECHNICAL SPECIFICATIONS

Physical Parameter: Overall Dimension Weight	W: 14.1 in., H: 14.5 in., D: 2.7 in. 4 lbs. 1 oz.
Display Parameter: Screen Size Resolution Pixel Spacing Color Viewing Area Display Dimension Backlight Type	10.1" LCD Display with Resistance Touch Screen 1024×RGB×600 0.1905mm×0.0635mm (H×V) 65536 colors (16 bit) 222.7mm×125.3mm 225.9mm×127.9mm LED
Memory: Non-Volatile Memory	1MB
Communications: Interface Interface	Stellar Mesh Network Cellular LTE Network
Power Supply: Rated voltage Permissible voltage range Max. permissible transients Time between two transients Internal Fuse Power consumption	+12V DC (120VAC to 12VDC wall adapter) +6.0...+40.0 V DC +40V 50 sec minimum Electronic 4.0 W

DESCRIPTION

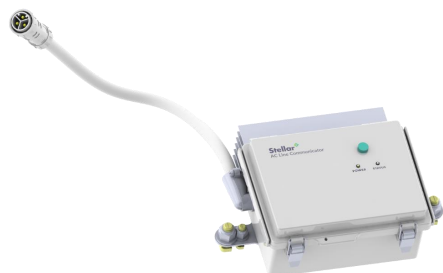
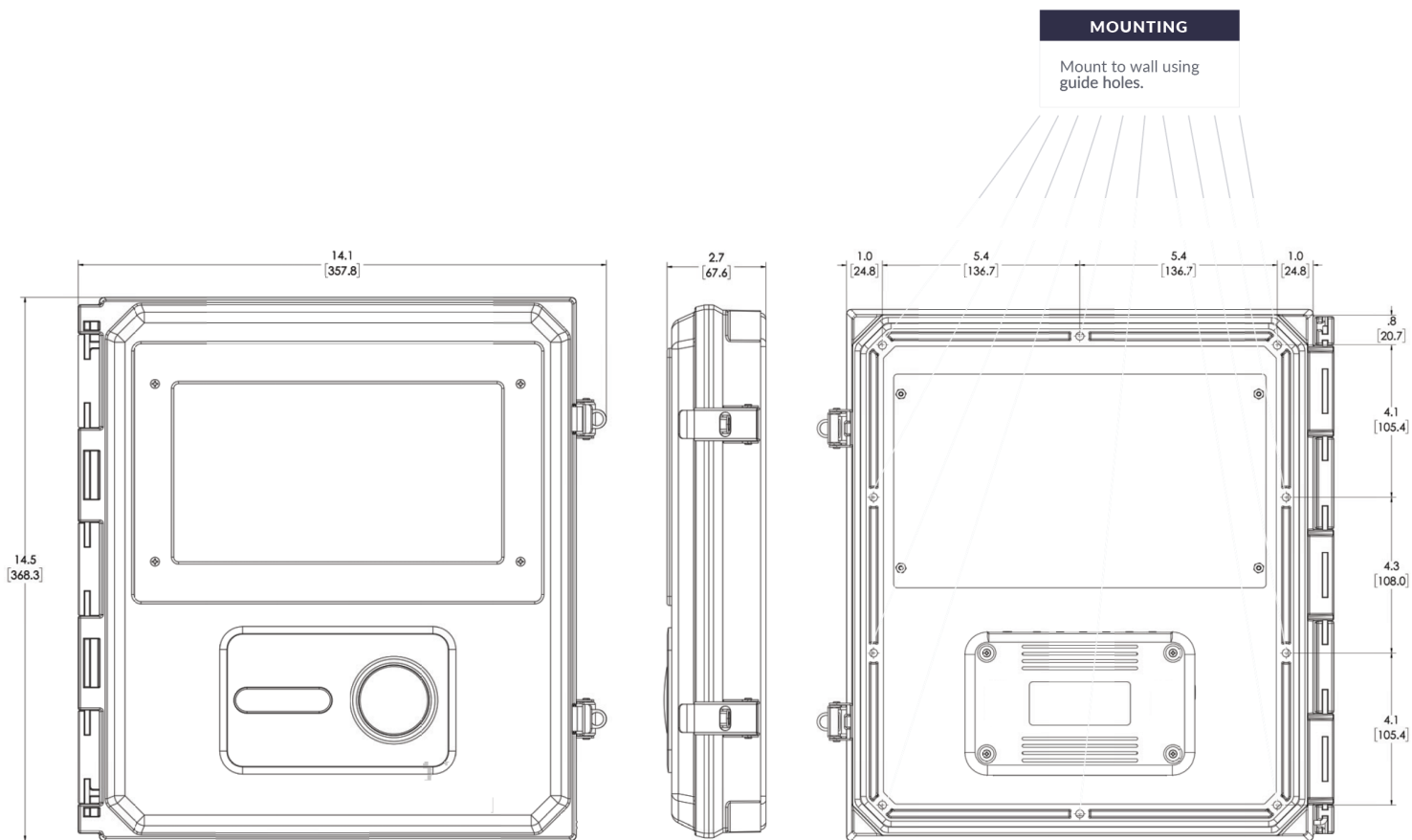
The Stellar Environmental Controller is a user friendly interface that coordinates luminaires, sensors and other sub-controllers. Records real time data allowing for system adjustments to ensure optimal energy use.

Product Features :

- Large 10.1" LCD Display with Resistance Touch Screen.
- Real time programming, monitoring, and override control.
- Real time lighting and energy management system updates.
- Cost-effective and scalable lighting and energy management system.
- Client application to allow updates for lighting dimmable settings
- Client application to allow updates to multiple "on / off" timers
- User interface to allow and establish rules and responses based on sensor data collected (i.e. – ambient light, motion, occupancy, etc.)
- Manages all lighting (as a group, as defined zones, or as individual lights)
- Central hub for all sub-controllers, including lights, power management and sensors

AMBIENT CONDITIONS

Max. permissible ambient temp. Operation Storage	-20°C~+70°C -30°C~+80°C
Relative humidity: Operation Storage	55°C, 85% 60°C, 90%
Shock loading: Operation Storage	15 g/11 msec 25 g/6 msec
Vibration: Interface Interface	0.035 mm (10 - 58 Hz)/1 g (58 - 500 Hz) 3.5 mm (5 - 8.5 Hz)/ 1 g (8.5 - 500 Hz)
Barometric Pressure: Operation Storage	706 to 1030 hPa 581 to 1030 hPa



AC LINE COMMUNICATOR

- Tracks and records:
 - Voltage
 - Frequency
 - Amps
 - Allows for individual circuits to be switched on and off remotely
 - Communicates with all devices on EM network
- No environmental variables

RECOMMENDED MAXIMUM LIGHTS PER ACLC

CIRCUIT:	20 AMP CIRCUIT				30 AMP CIRCUIT			
LIGHT LENGTH:	20"	40"	60"	80"	20"	40"	60"	80"
208 VOLTS	61	30	20	15	91	45	30	23
240 VOLTS	64	32	21	16	96	48	32	24
277 VOLTS	68	34	23	17	102	51	34	26