

## AST $\alpha$ - Automatic controller

### FULLY AUTOMATIC BRIGHTNESS CONTROL OF LIGHTING SYSTEMS



AST $\alpha$



The AST $\alpha$  with touchscreen is the latest generation of automatic controllers from OLIGO Lichttechnik GmbH – surface controls. It can be operated directly via the TFT touchscreen display. Equipped with a special sensor surface brightness and band speed are detected and the lighting is adjusted automatically.

AST $\alpha$  is used in: audit sites, light booths, light tunnels and other areas.



#### Features

- Display**
- 10.1" VGA TFT display
  - With fully integrated touchscreen
- Interfaces**
- 1 x Powerlink
  - 1 x Ethernet 10/100 Mbit/s
  - 1 x X2X Link Master
  - 2 x USB 2.0
- Outputs**
- 24 analog outputs 0 -10 V DC
  - number of ballasts per output 16 units (max. 0.6 mA/EVG)
- Inputs**
- 2 analog inputs
  - Optionally current signal or power signal (0 to 20 mA / 4 to 20 mA or 0 to 10 V)

#### Technical specifications

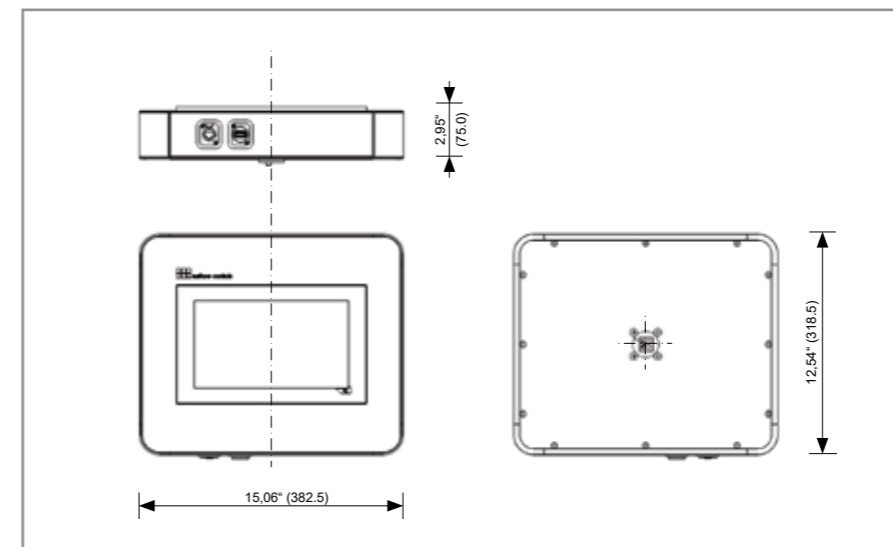
- Permitted ambient temperature** 41°F - 95°F (+5°C to +35°C)
- Supply voltage**
- Controller: 24 V DC
  - Junction box: 100-240 V AC
- Power consumption** 20 watt
- Frequency** 50-60 Hz
- Degree of protection**
- Controller: IP54
  - Junction box: IP54
- Protection class** I

#### Quality criteria

- LABS-free
- UL certified components
- Protected against shortcircuits and overload

#### Special information

- Fully automatic adjustment of the lighting intensity
- Easy and convenient to operate
- Minimal wiring
- Selection of various menu languages
- Automatic error code and error display



Exterior and mounting dimensions AST $\alpha$ . All data in Inch (mm).

#### System components

- Automatic controller
- Junction box of the controller
- Brightness attachment
- Junction box for the brightness attachment
- Ultrasound sensor

#### Optional accessory

- Expansion module

Order number	Type code	System components	Dimensions in mm (WxHxD)	Housing material	Weight in kg
M307AS011AZ-EN	AST alpha us	Automatic controller with touch-screen and analog band signal	15,06" x 12,54" x 2,95" (382.5 x 318.5 x 75.0)	Stainless steel	approx. 5.9
		incl. junction box of the controller	15,75" x 15,75" x 4,72" (400 x 400 x 120)	Steel sheet, RAL7035 powder coated	approx. 8.5
		incl. brightness attachment	11,81" x 5,90" x 3,15" (300 x 150 x 80)	Steel sheet, RAL7035 powder coated	approx. 3.6
		incl. junction box of the brightness attachment	15,75" x 7,87" x 4,72" (400 x 200 x 120)	Steel sheet, RAL7035 powder coated	approx. 3.6
		incl. ultrasound sensor	3,15" x 3,15" x 1,34" (80 x 80 x 34)	Acrylonitrile butadiene styrene (ABS)	approx. 0.2