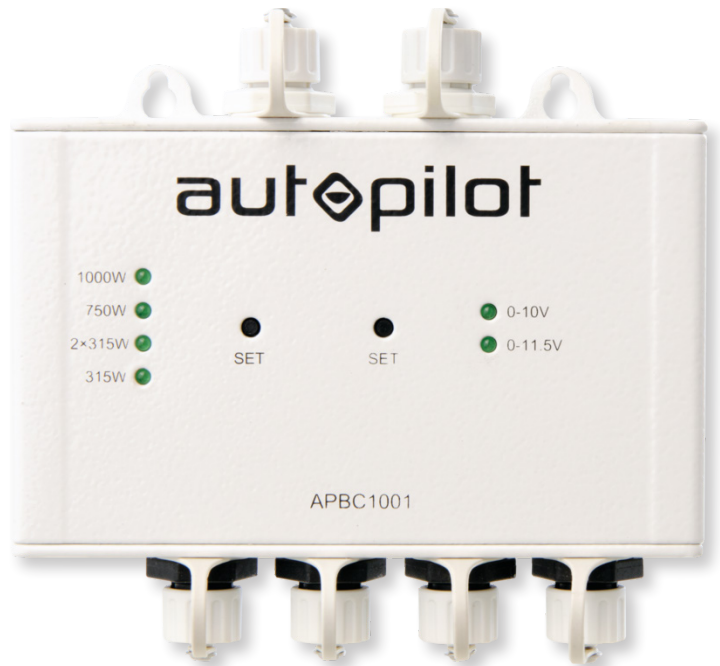
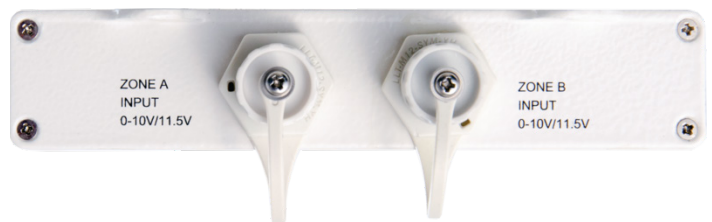


## Autopilot Analog to Digital Conversion Module APBC1001

The **Autopilot APBC1001 Analog To Digital Conversion Module** is ideal for facilities utilizing commercial environmental controllers to control lighting. The module converts analog 0–10V and 0–11.5V signal into digital RS-485 signal. It features two analog inputs and four digital outputs, divided into two zones. Each zone controls 256 fixtures, for a total of 512 fixtures per module. The included white data link cables are shielded against electromagnetic interference, with IP65 connectors that protect against dust and liquid ingress. The module is compatible with 1000W, 750W, 315W dual, and 315W single fixtures.



**Top:** Two analog inputs



**Bottom:** Four digital outputs



### What's in the Box

- 1 Autopilot APBC1001 Signal Conversion Module
- 1 DC Power Supply
- 2 Data Link Cables for Analog Input
- 4 Mini IP-RJ12 Cables for Digital Output
- 1 Instruction Manual

### Compatible Phantom Products

- 1000W (40 and 50 series) DE
- 1000W Core 2.0 Dimmable DE
- 750W (50 series) DE HPS
- 315W Dual CMH
- 315W CMH

### Features

- Converts analog 0-10V and 0-11.5V signal into digital RS-485 signal
- Two analog inputs
- Four digital outputs
- IP65 connectors
- Two independently controlled zones
- Control 256 fixtures per zone (total of 512 fixtures per module)

### Power Adapter Specifications

|                         |                   |
|-------------------------|-------------------|
| Input Main Voltage      | 120–240V AC       |
| Operating Voltage Range | 110–265V, 50/60Hz |
| Max Input Power         | 12W               |

### Conversion Module Specifications

|                             |                                     |
|-----------------------------|-------------------------------------|
| Compatible Ballast Wattages | 1000W, 750W, 315W Dual, 315W Single |
| Input Voltage               | 12/24V DC                           |
|                             | 0–10V or 11.5V Analog Input Signal  |
|                             | RS-485 Digital Output Signal        |
| Max Ballast Load            | 256 for Each Zone (512 Total)       |

### Model

- 1000W
- 750W
- 315Wx2
- 315W

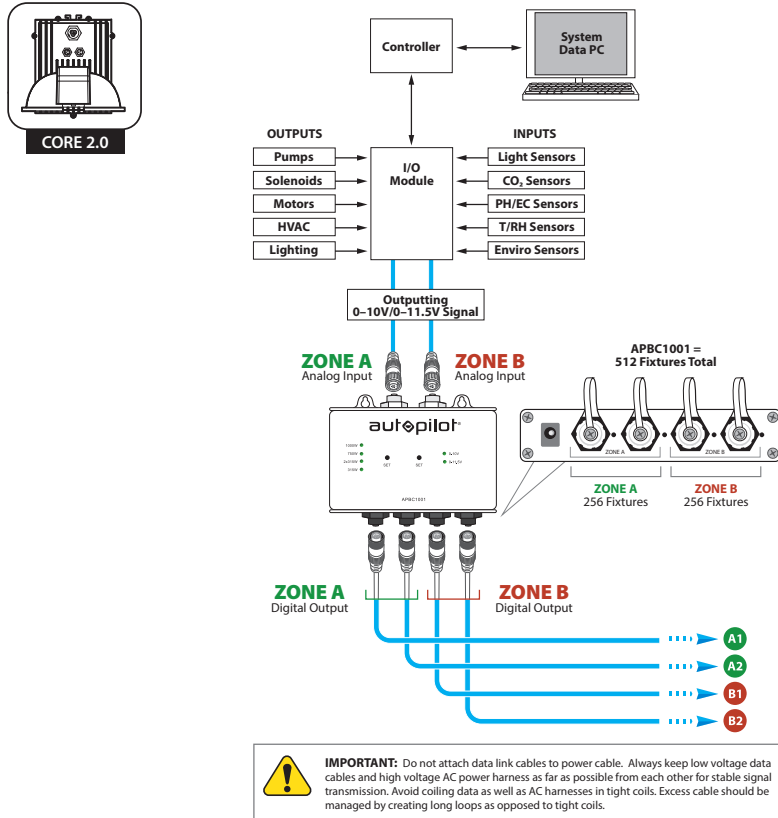
### Dimming Range

- 60%–100% or 60%–115%
- 53%–110%
- 60%–105%
- 60%–105%

# Autopilot Analog to Digital Conversion Module

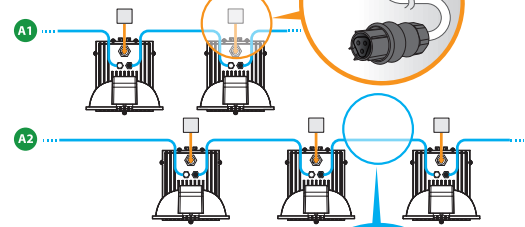
APBC1001

## APBC1001 Data Cable Link Diagram



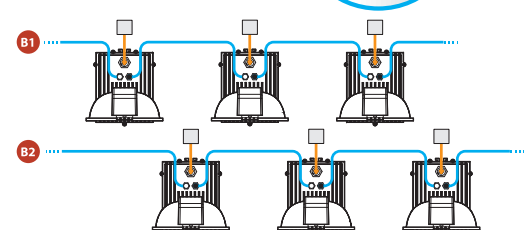
### ZONE A

Controls up to 256 HID Fixtures



### ZONE B

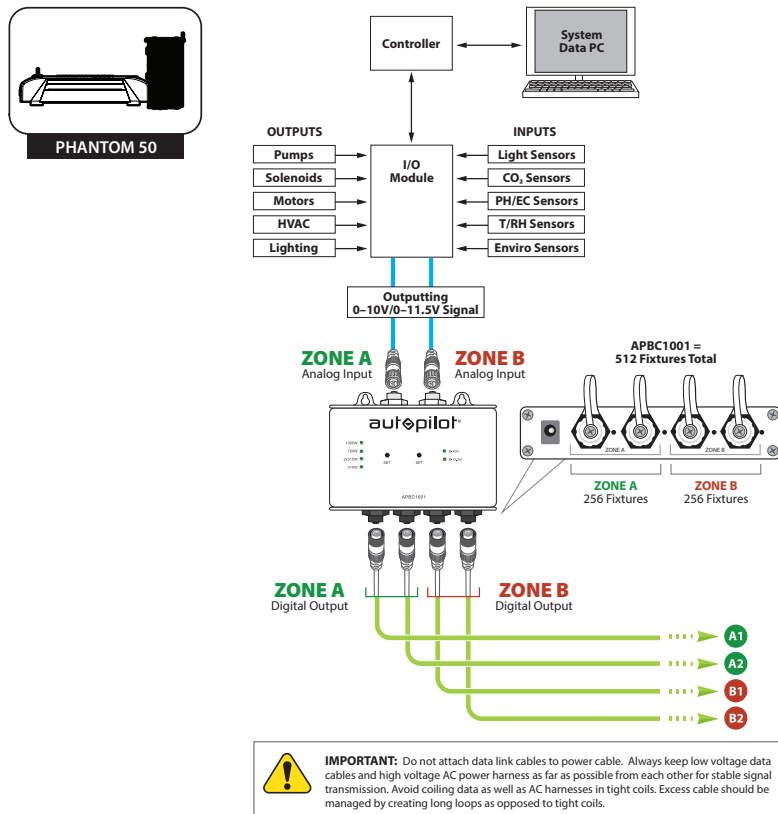
Controls up to 256 HID Fixtures



#### LEGEND

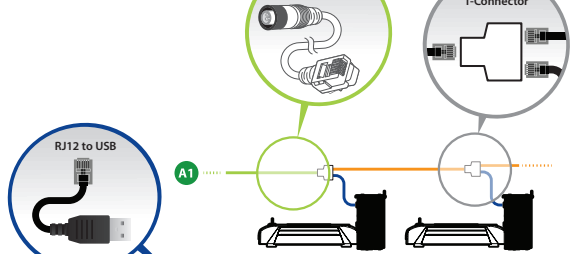
- Data Link Cable: CHC223108W
- Wieland Harness: CHW363000W, CHW863000W, CHW843010W, CHW863015W, CHW873000W, CHW883020W, CHW883021W, CHW883025W, CHW883030W
- Input
- Output
- Junction Box

## APBC1001 Data Cable Link Diagram



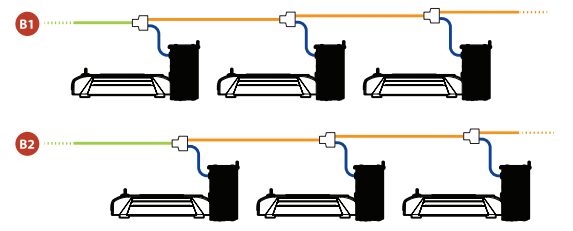
### ZONE A

Controls up to 256 HID Fixtures



### ZONE B

Controls up to 256 HID Fixtures



#### LEGEND

- Data Link Cable: CHC223108W
- Mini IP-RJ12 Cable
- RJ12 to RJ12 Cable
- RJ12 to USB
- RJ12 T-Connector