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autopilot APBC1000 Analog to Digital Conversion Module

autopilot APBC1000 Analog to Digital Conversion Module User Manual

Contents

autopilot®

autopilot APBC1000 Analog to Digital Conversion Module

OVERVIEW

Autopilot has designed an intermediary box that will take the analog 0-10V signal input from commercial environmental controllers and will convert it into the digital RS-485 Phantom brand lighting signal. The APBC1000 signal converter allows Phantom brand lighting products to adjust the light intensity based on what readings the quantum sensor is communicating back to the commercial environmental controller (greenhouse production facility). Alternately, if the grower is relying solely on artificial lighting, the signal converter can operate without the quantum sensor, allowing the grower to manually control lighting intensity (indoor production facility).

PACKAGE CONTENTS

- 1 – Autopilot converter module
- 4 – 15' RJ-RJ cable
- 1 – 120-240v power adaptor
- 4 – RJ splitter
- 2 – 0-10v terminal connector
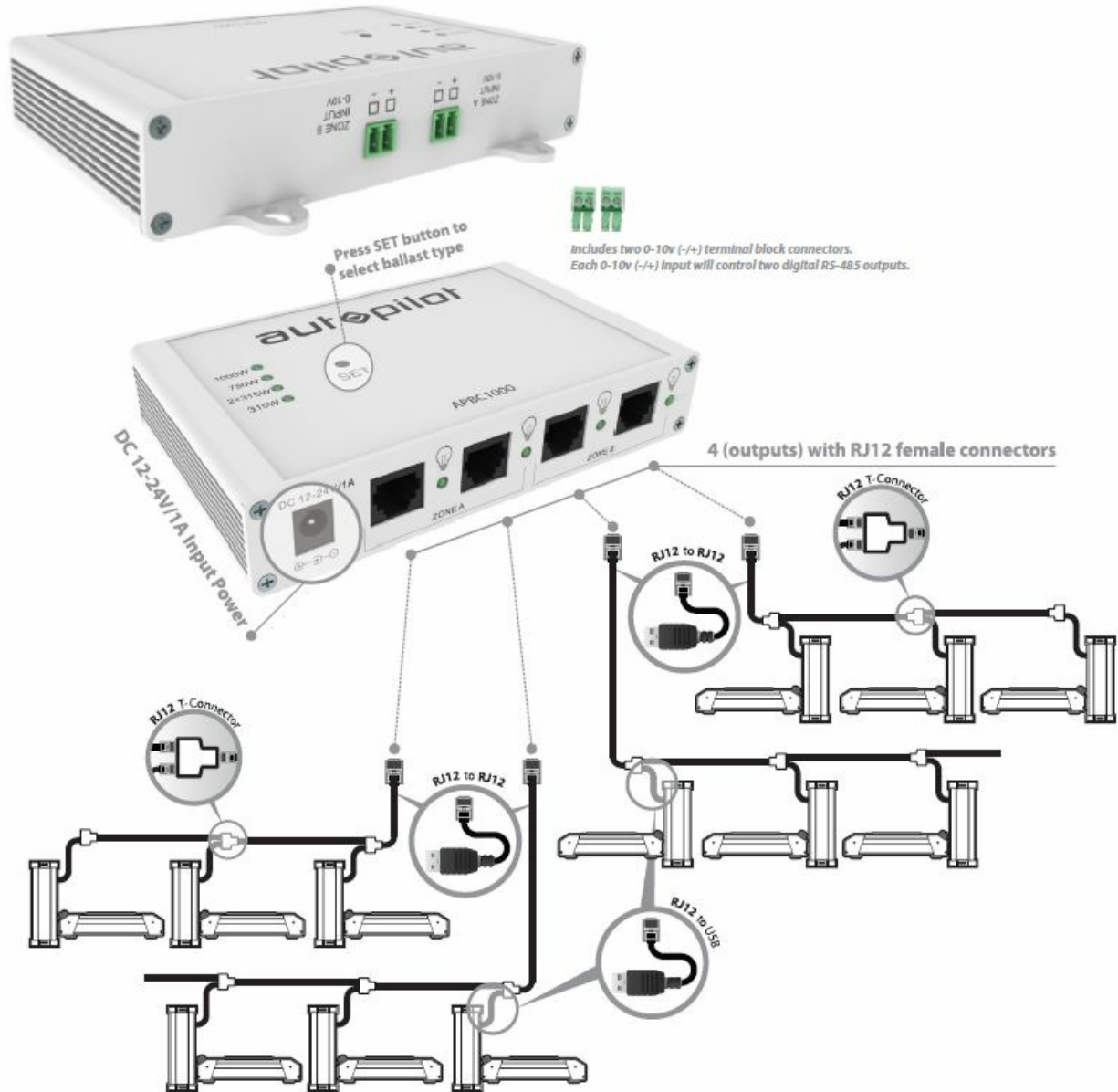
POWER ADAPTER SPECIFICATIONS

- Main Voltage: 120-240V
- Operating Voltage Range: 110-265V
- Max Input Power: 2 watts
- Input Power Frequency: 50/60Hz

COMPATIBLE PHANTOM BALLAST PRODUCTS

Applicable to Phantom models with USB data interface only.

- 1000W (40 and 50 series) DE HPS

- 750W (50 series) DE HPS

- 315W Dual CMH

- 315W CMH

OPERATING INSTRUCTIONS

Signal Voltage	<6V	≥6V	≥7V	≥8V	≥9V	≥10V
Phantom 1000W	Standby	60% (600W)	75% (750W)	80% (825W)	100% (1000W)	115% (1150W)
Phantom 750W	Standby	53% (400W)	66% (500W)	80% (600W)	100% (750W)	115% (825W)
315W Dual	Standby	60% (378W)		80% (536W)	100% (630W)	105% (660W)
315W	Standby	60% (189W)		85% (268W)	100% (315W)	105% (330W)

WARRANTY

1-Year Warranty

LIMITED WARRANTY

Hydrofarm warrants the APBC1000 to be free from defects in materials and workmanship. The warranty term is for 1 year beginning on the date of purchase. Misuse, abuse, or failure to follow instructions is not covered under this warranty. Hydrofarm's warranty liability extends only to the replacement cost of the product. Hydrofarm will not be liable for any consequential, indirect, or incidental damages of any kind, including lost revenues, lost profits, or other losses in connection with the product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Hydrofarm will, at our discretion, repair or replace the APBC1000 covered under this warranty if it is returned to the original place of purchase. To request warranty service, please return the APBC1000, with the original sales receipt and original packaging, to your place of purchase. The purchase date is based on your original sales receipt.

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APBC1000 Analog to Digital Conversion Module, APBC1000, Analog to Digital Conversion Module, Digital Conversion Module, Conversion Module

References

- **User Manual**