Manuals+ — User Manuals Simplified.

AGROWTEK DXV4 0-10V Output Module Owner's Manual

Contents

AGROWTEK DXV4 0-10V Output Module

AGROWtEK DXV4 is a voltage output module that features four analog 0-10Vdc output channels. These channels are designed to control dimming inputs on commercial lighting fixtures, variable speed fans, VFD motor speed controllers, and other analog-controlled equipment. The module is suitable for standard dimming applications that allow up to 50 fixtures to be controlled per output channel.

Product Features

- Four (4) 0-10Vdc Analog Outputs
- High Capacity 50 Fixtures per Channel Typical
- GrowNETTM Digital Communication Port MODBUS RTU for industrial PLC applications
- 12-24Vdc, DIN rail mount
- Made in USA
- 1-Year Warranty

The DXV4 connects instantly to Agrowtek's master control systems or intelligent sensors via a GrowNETTM port for advanced automated control functions. The GrowNETTM port accepts MODBUS RTU communication for PLC control. LED indicators on the front panel provide status of power supply and data communications. The module is designed for DIN rail mounting in control cabinets.

Applications

- Dimmable Lighting Control
- Variable Speed Fans & Motors
- Custom Equipment & Devices

The DXV4 can be connected to GrowControlTM Cultivation Controllers for advanced functions as part of a complete facility control solution. GrowControlTM GCX systems feature intelligent control functions optimized for today's complex growing environments. Additionally, GrowNETTM devices can be connected directly to a computer using the LX1 USB AgrowLINKTM and free PC software for data logging and monitoring. Multiple GrowNETTM devices can be connected to an interface with HX8 GrowNETTM hubs.

Ordering Options:

- DXV4 – No Options

Accessories

- LX1 USB AgrowLINKTM
- LX2 RS-485 ModLINKTM
- HX8 GrowNETTM Device Hub

Product Usage Instructions

1. Mount the DXV4 module on a DIN rail in a control cabinet.
2. Connect the GrowNETTM port of the DXV4 module to Agrowtek's master control systems or intelligent sensors via a GrowNETTM cable for advanced automated control functions.
3. Connect the analog output channels of the DXV4 module to the dimming inputs on commercial lighting fixtures, variable speed fans, VFD motor speed controllers, or other analog-controlled equipment.
4. Use the GrowControlTM GCX Controller for advanced functions as part of a complete facility control solution.
5. Connect the GrowNETTM devices directly to a computer using the LX1 USB AgrowLINKTM and free PC software for data logging and monitoring.
6. Use the LX2 ModLINK interface to implement GrowNETTM devices on PLC systems with MODBUS RTU.
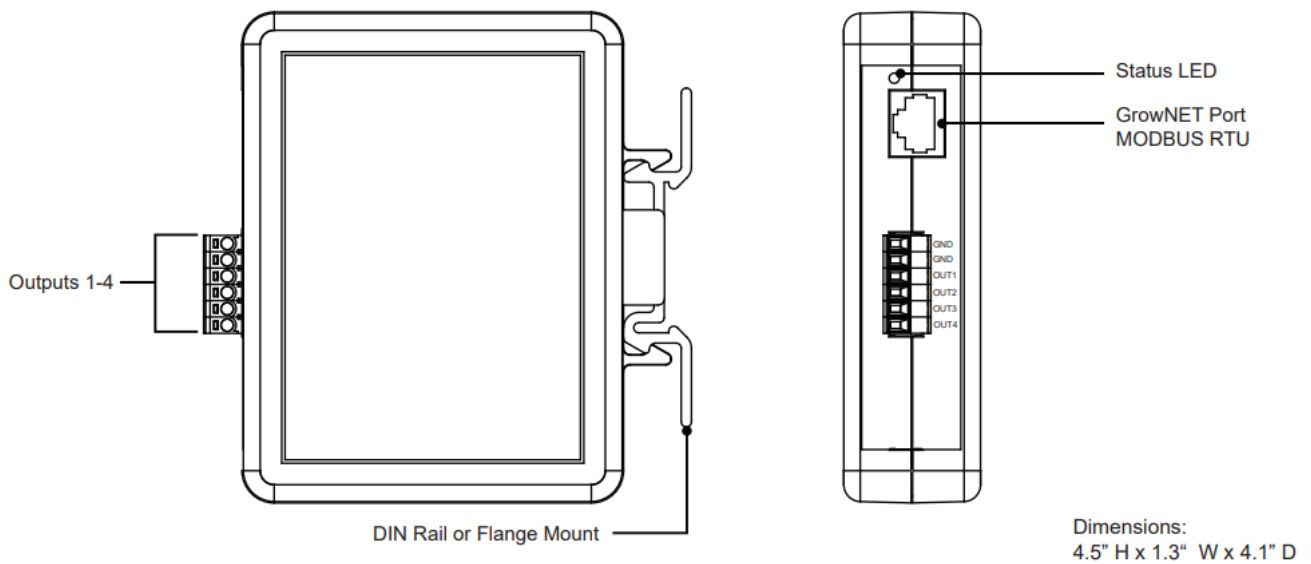7. Connect multiple GrowNETTM devices to an interface with HX8 GrowNETTM hubs.

DXV4 voltage output module features four (4) analog 0-10Vdc output channels for controlling dimming inputs on commercial lighting fixtures, variable speed fans, VFD motor speed controllers, and other analog controlled equipment.
Standard dimming applications allow up to 50 fixtures to be controlled per output channel.
Connects instantly to Agrowtek's master control systems or intelligent sensors via a GrowNET™ port for advanced automated control functions. GrowNET™ port accepts MODBUS RTU communication for PLC control.
LED indicators on the front panel provide status of power supply and data communications. Designed for DIN rail mounting in control cabinets.

Features

- Four (4) 0-10Vdc Analog Outputs
  High Capacity 50 Fixtures per Channel Typical
- GrowNET™ Digital Communication Port
- MODBUS RTU for industrial PLC applications 12-24Vdc, DIN rail mount
- Made in USA
- 1-Year Warranty

Outputs 1-4

Status LED

GrowNET Port
MODBUS RTU

GND
GND
OUT1
OUT2
OUT3
OUT4

DIN Rail or Flange Mount

Dimensions:
4.5" H x 1.3" W x 4.1" D

Applications

- Dimmable Lighting Control
- Variable Speed Fans & Motors
- Custom Equipment & Devices

GrowControl™ GCX Controller

Connect to GrowControl™ Cultivation Controllers for advanced functions as part of a complete facility control solution. GrowControl™ GCX systems feature intelligent control functions optimized for today's complex growing environments.

USB

Connect GrowNET™ devices directly to a computer using the LX1 USB AgrowLINK™ and free PC software for data logging and monitoring.

MODBUS

GrowNET™ devices are easy to implement on PLC systems with MODBUS RTU and a LX2 ModLINK interface. Multiple GrowNET™ devices can be connected to an interface with HX8 GrowNET™ hubs.
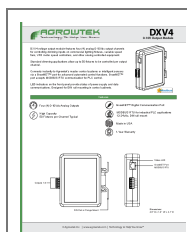
Ordering Options

DXV4
No Options

Optional Accessories

LX1
USB
AgrowLINK™

LX2
RS-485
ModLINK™

HX8
GrowNET™
Device Hub

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Documents / Resources

AGROWTEK DXV4 0-10V Output Module [pdf] Owner's Manual
DXV4 0-10V Output Module, DXV4, 0-10V Output Module, Output Module

References

- **Agrowtek Inc. :: Grow Controls for Greenhouses, Hydroponics & Indoor Growing**