

## OVERVIEW

The AXIA Output Module provides twelve digital outputs and four universal outputs for precise control of valves, relays, actuators, indicators, and other field devices. Designed for reliable performance in industrial and agricultural automation systems, it ensures stable signal delivery and seamless integration with the AXIA Controller for advanced process sequencing and system coordination.



## APPLICATIONS

The AXIA Output Module enhances automation performance across greenhouse and industrial environments by delivering dependable control of critical equipment. It drives key systems such as irrigation valves, ventilation fans, and environmental actuators with accuracy and consistency, helping maintain optimal growing and production conditions.

The module also supports advanced lighting and supplemental systems—including LED grow lights, CO<sub>2</sub> injection, misting, and heating—ensuring smooth, coordinated operation. Its seamless integration with the AXIA Controller makes it an ideal choice for facilities seeking more efficient workflows, improved system reliability, and greater environmental precision.

## FEATURES

### High Capacity Output Control

Delivers reliable actuation of valves, relays, fans, actuators, and other field devices, ensuring smooth operation across automation workflows.

### Multi-Colour Channel Status LEDs

Provides instant visual clarity on channel activity and diagnostics, enabling faster commissioning and troubleshooting.

### Manual Override for Field Testing

Allows technicians to verify device operation at the module or through software, reducing setup time and improving service efficiency.

### Flexible Output Modes

Supports source and sink configurations for seamless integration with diverse industrial and agricultural equipment.

### Built In Electrical Protection

Integrated surge and overcurrent safeguards extend equipment life and improve overall system reliability.

### Compact DIN Rail Form Factor

Optimized for efficient panel layout with a compact footprint suited to modern control cabinet designs.

### Service Friendly Removable Connectors

Simplifies installation and replacement, minimizing downtime and speeding up field maintenance.

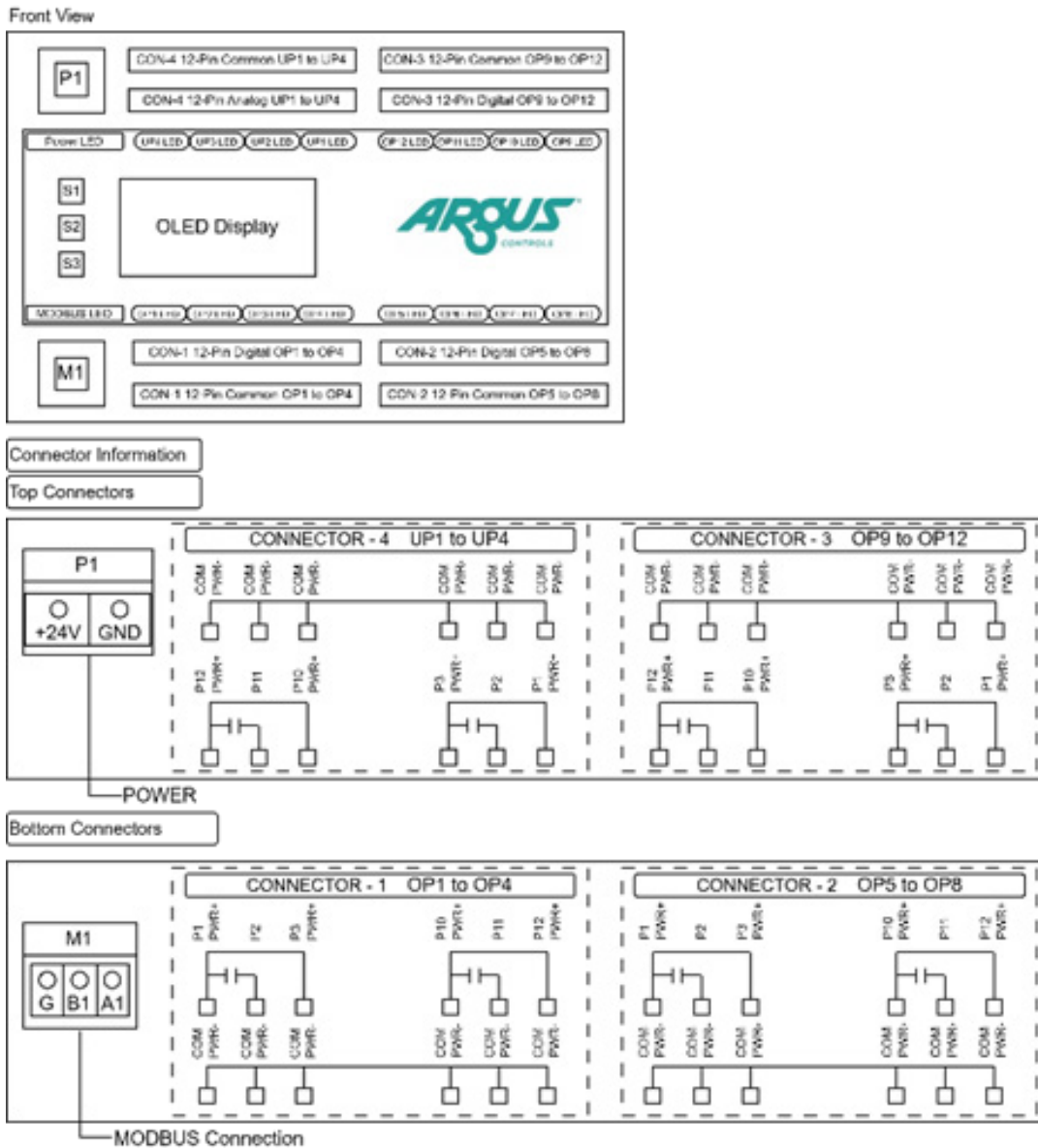
## TECHNICAL SPECIFICATIONS

<b>Dimensions</b>	191mm x 151mm x 63.5mm
<b>Output Channels</b>	12 Digital + 4 Universal (Analog or Digital) outputs
<b>Output Power Rating</b>	2 Amps per Channel at 24 V AC/DC
<b>Digital Output Type</b>	Relay ON/OFF Control
<b>Voltage Output Range</b>	0 – 10 VDC
<b>Current Output Range</b>	0 – 20 mA
<b>Frequency Output Range</b>	0.1 - 10Hz
<b>Mounting</b>	DIN Rail - 35 x 7.5mm
<b>Power Supply</b>	24VDC input Max. power: 5W
<b>Power Consumption</b>	Max 2.4W (24V at 0.1A)
<b>Communication Interface</b>	Modbus RTU over RS-485
<b>LED Indicators</b>	Output Status, Power Status and Modbus Activity
<b>OLED Display</b>	Shows menus and displays manual overrides
<b>Push buttons</b>	3 Buttons for navigating display menus and overrides

## CONFIGURATION

<b>Port Configuration</b>	
OP1-OP12: Digital	Digital, frequency (PPM, PWM).
OP13-OP16 : Analog/Digital	Analog, voltage/ current (sourcing and sinking), digital, frequency (PPM, PWM).

## WIRING DETAILS



Typical wiring example. For installation, refer to the supplied wiring diagrams and instructions.