

### Description

The KMD-5221 Output Module processes control outputs from the KMD-5210 LAN Controller and sends the outputs to the connected output devices. The module can handle 16 individual outputs and provides 12-bit digital-to-analog conversion on each output.

All outputs are universal and may be programmed as either analog or digital. Each output can supply up to 50 mA at 12 VDC (800 mA max. per module) as a 0–10 VDC analog or 0/12 VDC for digital outputs.

When larger outputs are required, or some type of isolation is required between the output device and the module, optional output override boards are available in a number of different formats (see Accessories).

### Features

KMD-5221 Output Modules feature:

- ◆ 16 universal outputs; software programmable as analog or digital
- ◆ 12-bit digital-to-analog conversion on all outputs
- ◆ 16-pin ribbon cable header for LAN Controller connection
- ◆ Outputs are arranged into four separate banks with four outputs each for isolation
- ◆ Access status LED.

### Application

The KMD-5221 Output Module is designed to accept control outputs from the KMD-5210 LAN Controller and send these signals to up to 16 output devices.

### Specifications

<b>Outputs</b>	16 Universal
Analog	0–10 volts DC
Digital	1/12 volts DC (On/Off)
Short Protection	Yes.

**Note:** Output current limited to 50 mA for each output not to exceed 800 mA per module.



### Applied Voltage

### Protection

### Connectors

### Indicators

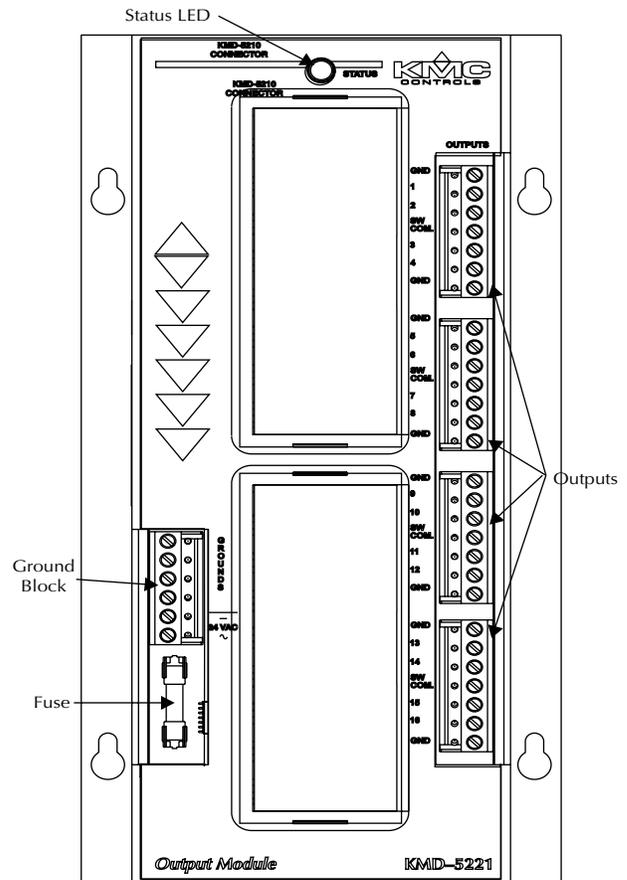
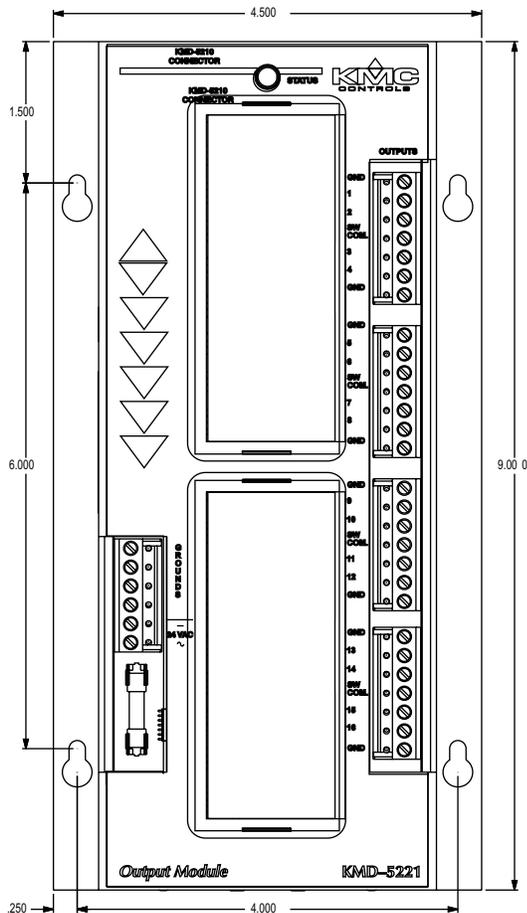
### Weight

### Size

### Ambient Limits

Operating	24 volts AC, continuous
Shipping	Two 16-terminal plug-ins for outputs. 12-22 AWG
Humidity	16 conductor ribbon cable header for LAN Controller (Order ribbon cables separately)
	Status LED flashes when card is accessed
	Output LEDs indicate status (Override Boards only)
	16 ounces (.45 kg)
	4.5 x 9.0 inches (114.3 mm x 228.6 mm)
	0° to 120°F (–18° to 49°C)
	–40° to 140°F (–40° to 60°C)
	0–95% RH, non-condensing

## Details



## Accessories

### Output override cards

HPO-6701	Triac output
HPO-6702	Short protected analog output
HPO-6703	Relay, normally open contacts
HPO-6704	4–20mA current loop
HPO-6705	Relay, normally closed contacts

### Covers

HPO-6802	Output board cover with labels. Must be used to secure HPO-6700 series Output Boards.
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### Power transformer

XEE-6112-100	Dual-hub, 120 volt AC input, 24 volt, 100 VA output power transformer. One or more required.
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### Cables

KMD-5660	6 inch (15 cm) ribbon cable
KMD-5668	9 inch (23 cm) ribbon cable
KMD-5661	14 inch (22 cm) ribbon cable
KMD-5662	19 inch (36 cm) ribbon cable
KMD-5663	24 inch (61 cm) ribbon cable

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