

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).

KMD-5221 Output Module key 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.

Specifications

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

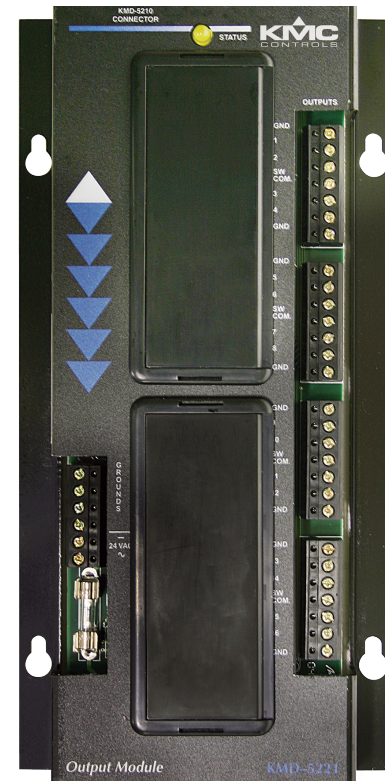
Note: Output current limited to 50 mA for each output not to exceed 800 mA per module.

Applied Voltage

Protection 24 volts AC, continuous

Connectors Four 7-terminal plug-ins for outputs. 12-22 AWG

16 conductor ribbon cable header for LAN Controller (Order ribbon cables separately)



Indicators

Status LED flashes when card is accessed

Output LEDs indicate status (Override Boards only)

Weight

16 ounces (454 grams)

Ambient Limits

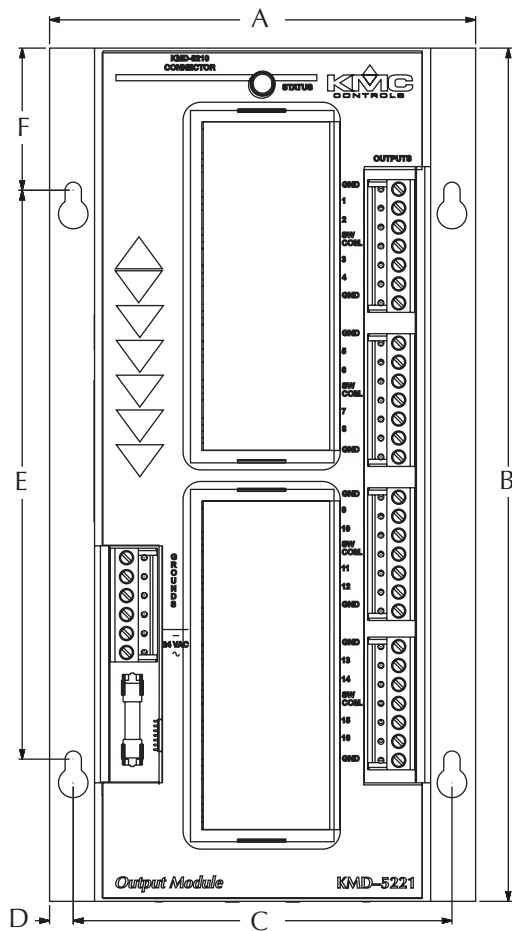
Operating	0° to 120°F (–18° to 49°C)
Shipping	–40° to 140°F (–40° to 60°C)
Humidity	0–95% RH, non-condensing

Regulatory

UL 916 Energy Management Equipment listed
CE compliant
FCC Class B, Part 15, Subpart B
SASO PCP Registration KSA R-103263



Dimensions



Accessories

Output override boards

- | | |
|----------|---------------------------------|
| 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.
Required to secure HPO-6700 series
Output Boards. |
|----------|---|

Power transformers

- | | |
|--------------|--|
| XEE-6111-100 | Single-hub, 120 volt AC input,
24 volt, 96 VA output power
transformer |
| XEE-6112-100 | Dual-hub, 120 volt AC input, 24 volt,
96 VA output power transformer. |
| XEE-6311-100 | Dual-hub, 120/240/277/480 volt AC
input, 24 volt, 96 VA output power
transformer |

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 |

A	B	C	D	E	F	Height (not shown)
4.50 in.	9.00 in.	4.00 in.	0.25 in.	6.00 in.	1.50 in.	0.98 in.
114 mm	229 mm	102 mm	6 mm	152 mm	38 mm	25 mm

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