

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.

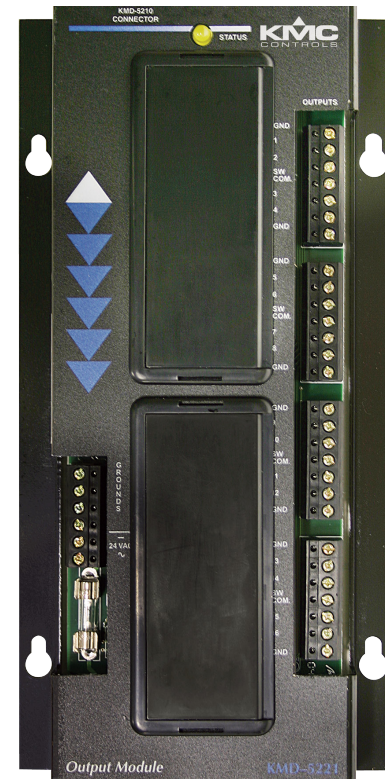
Note: Output current limited to 50 mA for each output not to exceed 800 mA per module.

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

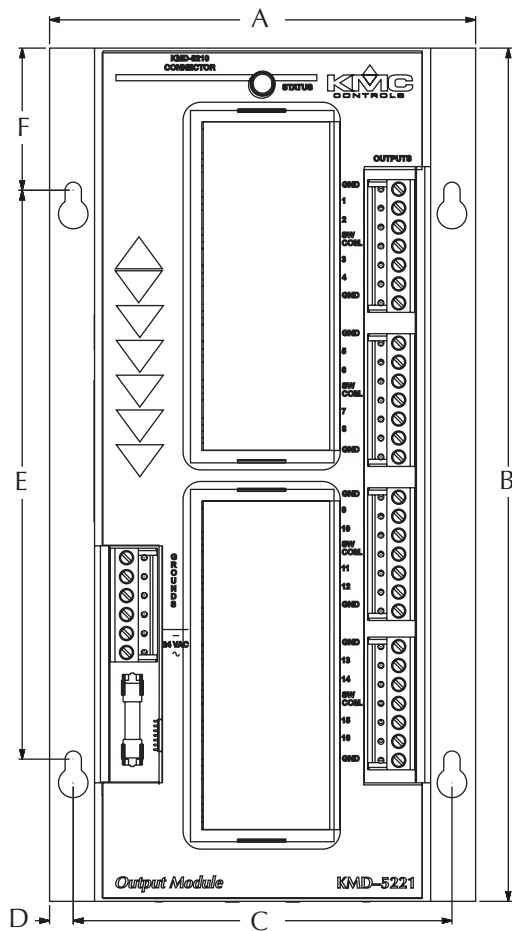
Operating	0° to 120°F (–18° to 49°C)
Shipping	–40° to 140°F (–40° to 60°C)
Humidity	0–95% RH, non-condensing

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

KMC Controls, Inc.
 19476 Industrial Drive
 New Paris, IN 46553
 574.831.5250
www.kmcccontrols.com
info@kmcccontrols.com