

The KMD-5270-001 is a Tier 1, Ethernet-ready direct digital controller that offers the flexibility of an embedded web server and functions as an interface between BACnet and KMC networks. WebLite can serve up graphics-based web pages to any Internet-ready device without special software. Operate WebLite as a stand-alone controller or make it a part of larger peer-to-peer networks.

WebLite Highlights

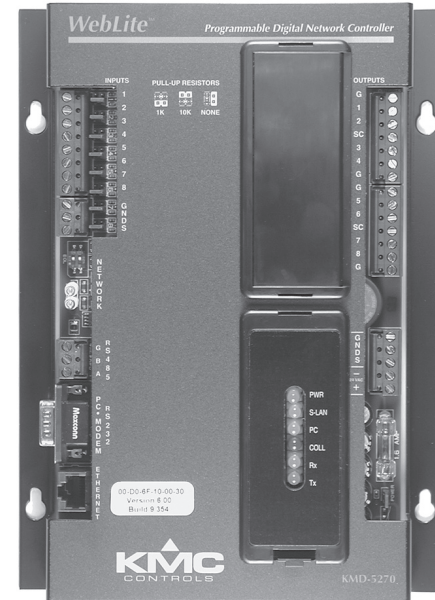
- ◆ A graphic-based, cost-effective internet solution.
- ◆ Combine with other KMC controllers through Ethernet or a Tier 2 network.
- ◆ Establishes a path between a BACnet Ethernet 802.3 (ISO 8803-2) network and a KMC digital network.
- ◆ Controls room temperature, humidity, fans, monitors refrigeration, lighting, and many other building automation functions.
- ◆ Enables you to stay apprised of alarms and take corrective action from wherever you are.

Inputs

- ◆ 8 universal inputs each software selectable for analog or digital signals
- ◆ Standard and custom units of measure
- ◆ Pull-up resistors for switch contacts and other unpowered equipment. Select none, 1k Ω and 10k Ω with moveable jumper
- ◆ Removable screw terminal block, wire size 12–22 AWG
- ◆ 12-bit analog-to-digital conversion
- ◆ Pulse counting to 1000 Hz
- ◆ 0–5 volts DC analog input range

Outputs

- ◆ 8 universal outputs each software programmable for analog or digital signals
- ◆ Standard and custom units of measure
- ◆ Slots for KMC output override boards
- ◆ Removable screw terminal block, wire size 12–22 AWG
- ◆ 12-bit digital-to-analog conversion
- ◆ 0–10 volts DC analog output range
- ◆ 0–12 volts DC digital output range



Programmable features

- ◆ 10 Control Basic program areas
- ◆ Networked points in: 127 from Tier 1 controllers, 512 from Tier 2 controllers
- ◆ Networked points out: 64 to Tier 1 controllers, 64 to Tier 2 controllers
- ◆ 8 PID control loops
- ◆ 128 program variables software selectable as analog or digital with standard and custom units of measure
- ◆ Real time clock with power backup for 72 hours
- ◆ 5 user defined tables

Custom graphics

- ◆ Requires WinControl XL Plus to view animation and edit graphics.
- ◆ 32 system groups each of which can manage 64 points.
- ◆ Eight background graphics (each graphic size limited to 50 kB) for use as browser accessible backgrounds in system groups.
- ◆ View system groups with standard internet browser.

Schedules

- ◆ 8 weekly schedules each with 2 override days
- ◆ 4 annual schedules

Logging

- ◆ 16 trend logs each supporting up to 6 analog, digital or virtual elements or points. Trend logs displayed as text or graphics.
- ◆ 16 runtime logs with time stamp, date stamp and cumulative runtime

Security

- ◆ 6 operator access levels
- ◆ 256 operator passwords

Alarms

- ◆ Alarm buffering up to 16 alarms
- ◆ On-board 68 character alarm or maintenance text messages

Power loss

- ◆ Auto restart on power failure

Memory

- ◆ 2 megabyte nonvolatile flash memory
- ◆ 2 megabyte ram with six-hour backup
- ◆ Programs and program parameters are stored in nonvolatile memory.

Communications

Ethernet	10 base T Ethernet port supports 31 KMC Tier 1 controllers and BACnet 8802-3
Tier 2	EIA-485 supports connections to 32 KMC Tier 2 controllers
Serial	EIA-232 connects directly to computer serial port or optional external modem for remote operation

Internet and e-mail

- ◆ Use a standard internet browser to view and change the following: Inputs, Outputs, Variables, Controllers, System Groups, Trend Logs (requires Java VM), Run Time Logs, Weekly and Annual Schedules, Alarm Summary.
- ◆ Requires Microsoft Internet Explorer 5.0 or higher with service pack 2 or higher, Netscape 7.0 and Java VM enabled.
- ◆ Send e-mail text messages, input, output and trend log data. Requires access to SMTP e-mail server.

Regulatory

- ◆ UL 916 Energy Management Equipment
- ◆ FCC Class B, Part 15, Subpart B

Installation

Supply voltage 24 volts AC, -15%, +20% 25 VA

Weight 16 ounces (0.5 kg)

Dimensions

6.56 x 9.00 x 1.12 in. (167 x 229 x 32 mm)

Environmental limits

Operating 32 to 120° F (0 to 49° C)

Shipping -40 to 140° F (-40 to 60° C)

Humidity 0-95% relative humidity (non-condensing)

Compatibility

- ◆ For full feature compatibility, use WinControl XL Plus 2.0 or later
- ◆ Compatible with Tier 1 controllers firmware build 2.0 or later. See TU03-1 *Compatibility Issues*.

Options and 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
HPO-6802	Output board cover with labels. Must be used with all HPO-6700 series cards.

Power transformer

XEE-6111-40	Single-hub 120 volt transformer
XEE-6112-40	Dual-hub 120 volt transformer

Cables

KMD-5673	Six foot computer to controller cable
KMD-5674	Six foot modem to controller cable

KMC Controls, Inc.
19476 Industrial Drive
New Paris, IN 46553
574.831.5250
www.kmccontrols.com