The KMD–5270– 001 is a Tier 1, Ethernet-ready direct digital controller that offers the flexibility of a 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 controler 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, 1kΩ and 10kΩ 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

Specifications and design subject to change without notice.

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 120º F (0 to 49º C)

Shipping   –40 to 140º F (–40 to 60º 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