The KMD-5210-002 LAN Controller builds on the solid foundation of our DDC line of products, adding the interoperability of the BACnet protocol. This LAN Controller was designed for Class 3 conformance level of the BACnet communications protocol for MS/TP.

LAN Controller is an intelligent, programmable direct digital controller and high-level LAN communications manager suitable for use in facilities management systems. LAN Co ntroller operates as a stand-alone unit or as an integral part of a fully networked peer-to-peer digital system.

You can also purchase LAN Controller in convenient, factory-assembled panel systems with flexible input and output configurations.
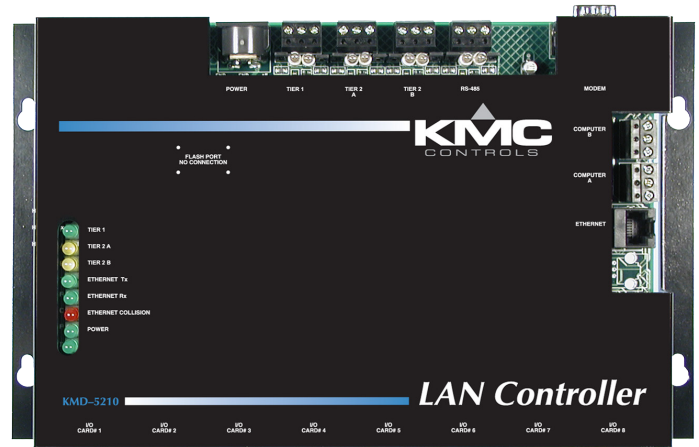
LAN Controller Highlights:

◆ Easy to install, simple to configure, and intuitive to program.

◆ Easily networked with other KMC controllers through Ethernet or EIA–485 connections.

◆ Provides easy control and monitoring of Facilities Management Systems from any location.

◆ View and change input, output and value objects within BACnet controllers.

Inputs/Outputs

Control up to 128 inputs/outputs directly using up to eight KMD-5220 Input Modules or KMD-5221 Output Modules. Each provides for 16 inputs or outputs.

◆ 128 universal inputs/outputs; software selectable as analog or digital signals

◆ Eight, 16–pin ribbon cable connectors

◆ Standard or custom units of measure

◆ 16–bit analog-to-digital conversion on inputs

◆ 12–bit digital to analog conversion on outputs

Programmable Feature

◆ 128 user-definable 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

◆ 64 PID Control Loops

◆ Five sensor conversion tables for creating linear graphs

◆ 256 Variable points; software selectable as analog or digital w/standard or custom ranges using manually set or program driven values

◆ Programmable for automatic daylight saving time by date, day of month and time of day.

Custom Graphics

◆ 64 System Groups for organizing 160 controller selected points or elements into real-time or color graphic displays

◆ Use WinControl XL Plus to view and edit graphics

Schedules

◆ 32 weekly schedules with overrides

◆ 16 annual schedules

Logging

◆ 96 Trend logs for data logging; each supports up to 6 analog, digital, or virtual elements or points (graphical display capabilities when linked to a KMC Digital Operating System)

◆ 128 Runtime Logs with time/date stamp and cumulative runtime functions

Alarms

◆ Buffering for up to 128 alarms and 50 messages

◆ On-board 68-character alarm or maintenance messages

Security

◆ 6 operator access levels

◆ 256 user passwords

Power Loss

◆ Power-fail with auto restart capabilities

Memory

◆ 2 MB nonvolatile flash memory; 2 MB RAM

◆ Programs and parameters are stored in nonvolatile memory

◆ RAM automatically backed up to flash memory every 6 hours

Communications

◆ 10baseT Ethernet port supports up to 31 KMC Tier 1 controllers.

◆ One EIA–485 port for BACnet MS/TP

◆ Two EIA–485 ports for connecting Tier 2 networks; 124 connections per port

◆ EIA–232 connectors for direct connection to computer serial ports

◆ DB-9 serial connector for direct connection to an external modem
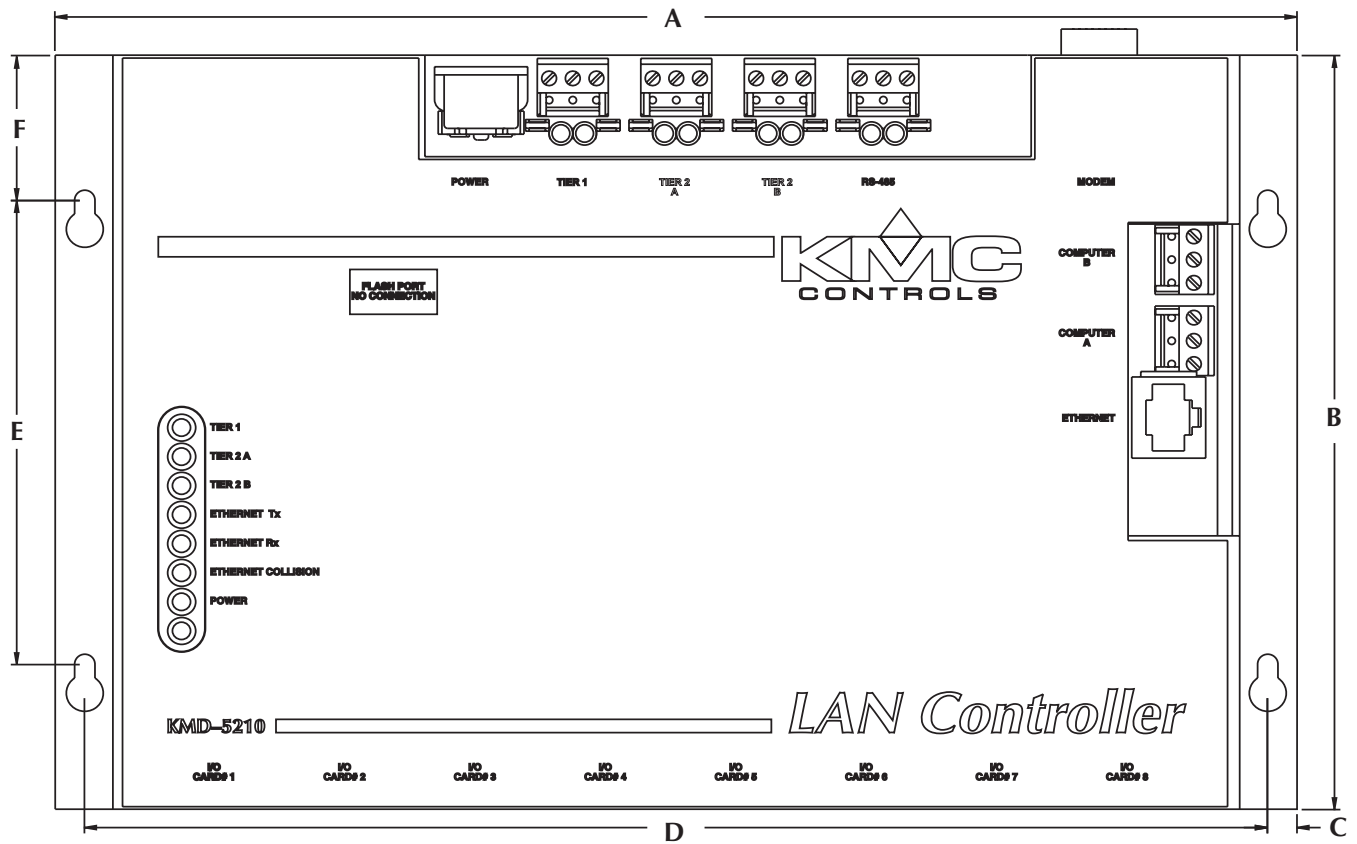
Options and Accessories

◆ KMD-5220	Input Module
◆ KMD-5221	Output Module
◆ KMD-5660	6–inch ribbon cable, input/output module to controller
◆ KMD-5668	9–inch ribbon cable, input/output module to controller
◆ KMD-5661	14–inch ribbon cable, input/output module to controller
◆ KMD-5662	19–inch ribbon cable, input/output module to controller
◆ KMD-5663	24–inch ribbon cable, input/output module to controller
◆ KMD-5672	PC to Controller cable
◆ KMD-5563	International-ready 120/240 VAC, 1.35 ampere power supply
◆ XEE-6112-100	100 VA Transformer, 24–volt
◆ HCO-1035	Energy Management Equipment Enclosure 20 x 24 x 6 inches (508 x 610 x 152 mm)
◆ HCO-1036	Energy Management Equipment Enclosure 24 x 36 x 6 inches (610 x 914 x 152 mm)
◆ KMD-5230	KMD-5210 and KMD-5563 mounted in an HCO-1036 enclosure. Listed as UL 916 Enclosed Energy Management Equipment and UL 2017 Signal System Equipment

BACnet interface

◆ Connects to a BACnet internetwork with BACnet MS/TP

◆ Inputs, outputs and variables within the LAN Controller appear as input, output and value objects to BACnet device.

◆ Control Basic includes statements to read and write objects in BACnet devices.

BACnet®
International

PIC statement available: Part number: 883-019-13

Dimensions

A	B	C	D	E	F	Height (not shown)
10.50 in.	6.50 in.	0.25 in.	10.00	4.00 in.	1.25 in.	0.98 in.
267 mm	165 mm	6 mm	254 mm	102 mm	32 mm	25 mm

Installation

Dimensions	10.50 x 6.50 x .98 inches (267 x 165 x 25 mm)
Weight	1.8 lb (0.8 kg)
Supply Voltage	Requires KMD-5563 international-ready 120/240, 1.35 ampere power supply
Regulatory	UL 916 Energy Management Equipment listed CE compliant FCC Class B, Part 15, Subpart B SASO PCP Registration KSA R-103263

Environmental Limits

Operating Temperature	32 to 120° F (0 to 49° C)
Shipping Temperature	–40 to 140° F (–40 to 60° C)
Humidity	0–95% RH, non condensing

Ordering information

Description	Model number
KMDigital BACnet MS/TP LAN Controller, without power supply	KMD-5210-002
International-ready 120/240 VAC, 1.35 ampere power supply	KMD-5563

KMC Controls, Inc.

19476 Industrial Drive

New Paris, IN 46553

574.831.5250

www.kmccontrols.com

Specifications and design subject to change without notice.