

Description

The KMD-7401 and KMD-7401C are intelligent, programmable, 4 input/4 output direct digital controllers. Each controller is capable of independent, stand-alone operation or may be networked together using the same peer-to-peer communications format as other KMC Digital Controllers. The KMD-7401C has auto-reset of time after power restoration.

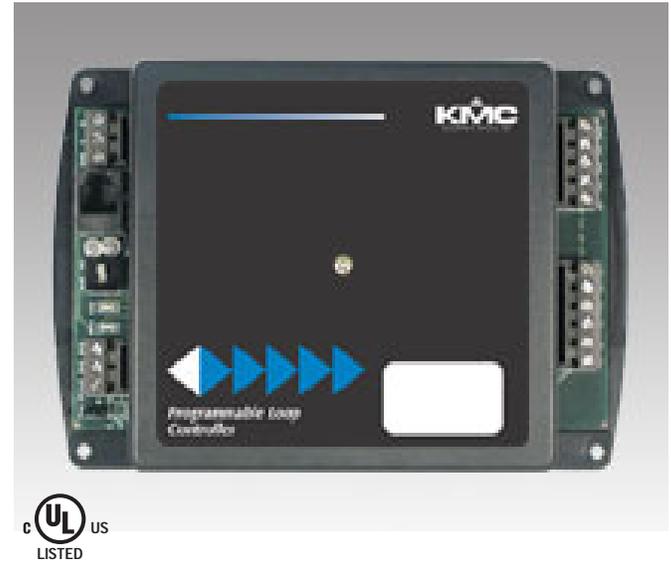
Features

The KMD-7401 and KMD-7401C controllers feature:

- ◆ Stand-alone or networked operation
- ◆ 4 inputs/4 outputs
- ◆ 32 software configurable Variables
- ◆ User programming
- ◆ 2 Trend Log Monitors
- ◆ 2 Runtime Totalizer Logs
- ◆ 2 Graphic compatible Control Group
- ◆ 3 Custom defined Lookup Table
- ◆ Weekly schedule with Holiday/Special Event overrides
- ◆ 4 Full function PID Controllers
- ◆ Password protection

Application

The KMD-7401 and KMD-7401C controllers were specifically designed for Heat Pump Unit applications and contain factory programmed (canned) control sequences with descriptors. The factory programming has options for controlling a fan, compressor, reversing, valve, and optional auxiliary heating. Program area 5 is for additional user programming. This feature allows the controllers to be user modified to add special sequences. The factory programming may also be removed to allow full use of all five programming areas in both the KMD-7401 and KMD-7401C. This allows the controllers to be completely user programmable.

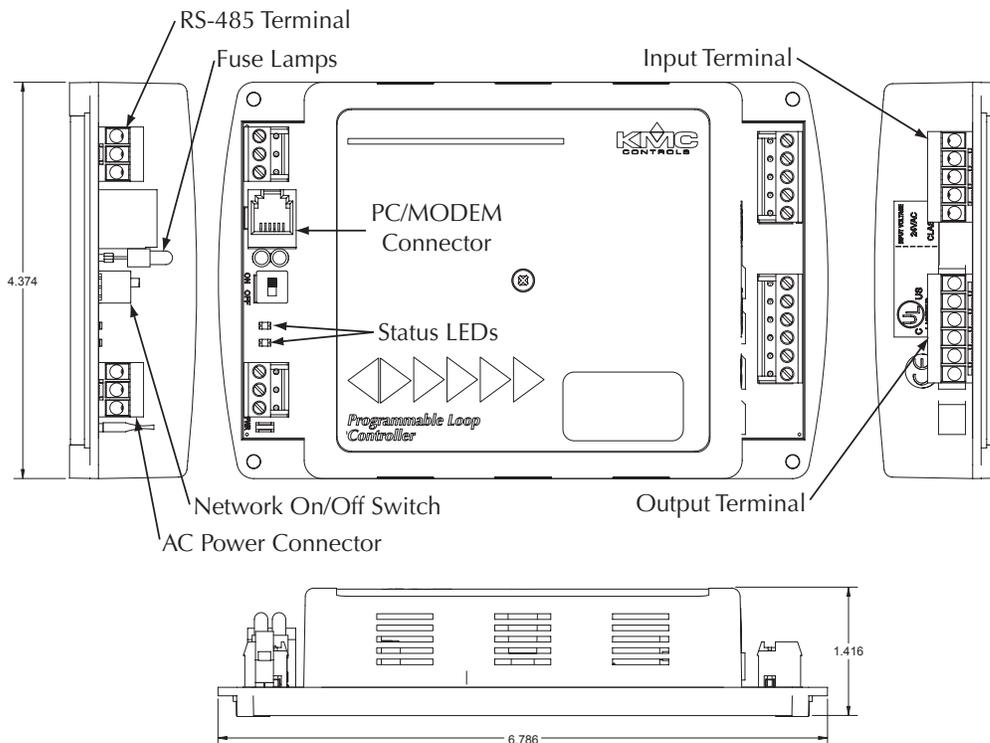


Accessories/Spares

The following products are also available:

HPO-0054	Fuse bulb
HPO-0063	Jumper

Details



Specifications

Supply Voltage	24 VAC, -15% / +20% 10VA Max
Communications	RS-485 @38,400 baud maximum
Communications Wiring	RS-485 @ 38,400 baud maximum with Belden 82760 or equivalent. 18 AWG twisted shielded, 5.5 Ω /1000 ft. and ≤ 51 pf/ ft (maximum 4,000 feet w/o repeater)

Communications Auxiliary	RJ-12 for KMD-1001 NetView or for KMD- 1151 Net Sensor
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Inputs	4 Universal Analog or Digital
Analog	0-5 VDC
Digital	0/5 VDC or dry contact closure
Impedance	100 K Ω 10K Ω pull-up to +5VDC supply
Overvoltage protection	

Outputs	4 Triacs, zero crossing, opti- cally isolated, 30 VAC, 1A Max
Wire Size	12-22 AWG
Weight	3.5 ounces (99.2 grams)
Size	6-3/4" x 3-1/4" (171.45 mm x 82.55 mm)
Ambient Limits	
Operating	0°-120°F (-18°-49°C)
Shipping	-40°-140°F (-40°-60°C)
Humidity	0-95% RH, non-condensing

KMC Controls
P.O. Box 497
19476 Industrial Drive
New Paris, IN 46553
U.S.A.

TEL: 574.831.5250
FAX: 574.831.5252
E-mail: info@kmccontrols.com