

Description

The KMD-7301 and KMD-7301C controllers are intelligent, programmable, 4 input/4 output direct digital controllers. Each controller is capable of independent, stand-alone operation or may be networked with other controllers using the same peer-to-peer communications format as other KMC digital controllers. The KMD-7301C includes auto time reset after power restoration.

Features

KMD-7301/7301C 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-7301 and KMD-7301C controllers were specifically designed for air handling unit applications and contain factory programmed (canned) control sequences with descriptors. The factory programming has options for fan control based on occupancy/night setback limit/proportional hot and chilled water valve control, economizer and freeze protection routines. 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-7301 and KMD-7301C. This allows the controllers to be completely user programmable.

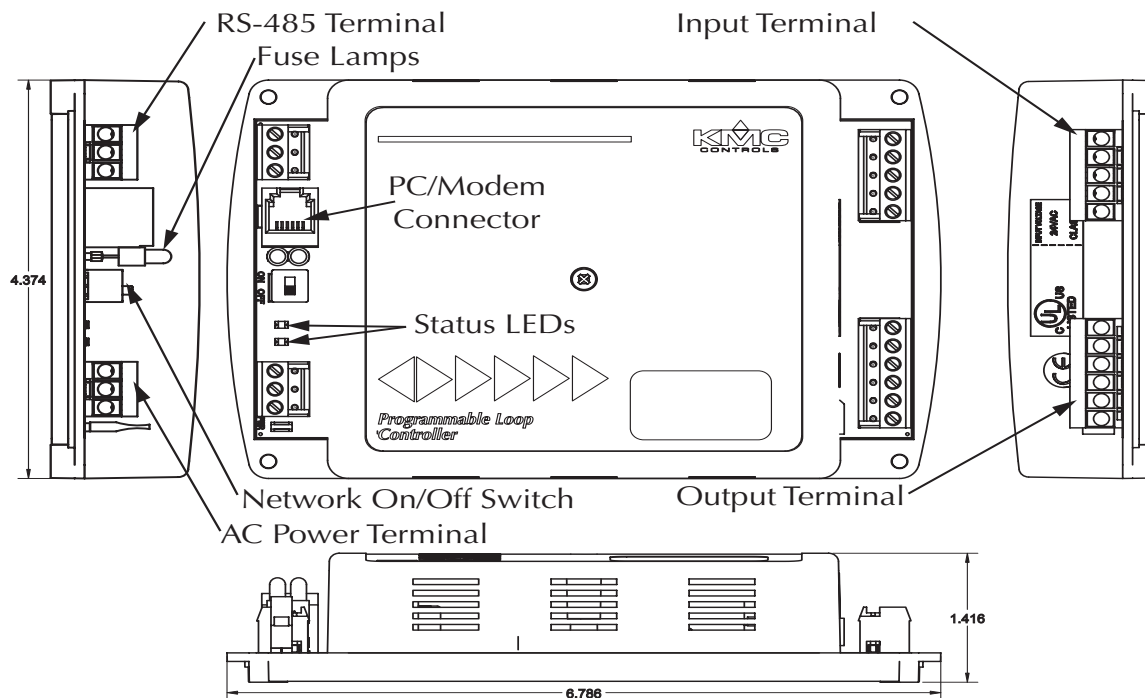


Accessories/Spares

The following products are also available:

HPO-0054	Fuse bulb
HPO-0063	Jumper

Details



Specifications

Supply Voltage	24 VAC, -15% / +20% 10VA Max	Digital	0/12 VDC, 100 mA maximum load each output. Not to exceed 350 mA total
Communications	RS-485 @38,400 baud maximum		1 Triac, 30 VAC, 1A max. Optically isolated, zero crossing
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)	Short Circuit Protection	
Communications Auxiliary	RJ-12 for connection to NetView or Net Sensor products	Wire Size	12-22 AWG
Inputs	4 Universal Analog or Digital	Weight	3.5 ounces (99.2 grams)
Analog	0-5 VDC	Size	6-3/4" x 3-1/4" (171.45 mm x 82.55 mm)
Digital	0/5 VDC or dry contact closure	Ambient Limits	
Impedance	100 K Ω 10K Ω pull-up to +5VDC supply	Operating	0°-120°F (-18°-49°C)
Over-voltage protection		Shipping	-40°-140°F (-40°-60°C)
Outputs	3 Universal Analog or Digital	Humidity	0-95% RH, non-condensing
Analog	0-10 VDC		