

Description

The KMD-7013 and 7013C are intelligent, programmable, 4 input/4 output direct digital controllers. Each controller is capable of independent, stand-alone operation or may be networked together with other controllers using the same peer-to-peer communications format as other KMC digital controllers. The 7013C includes auto time reset after power restoration.

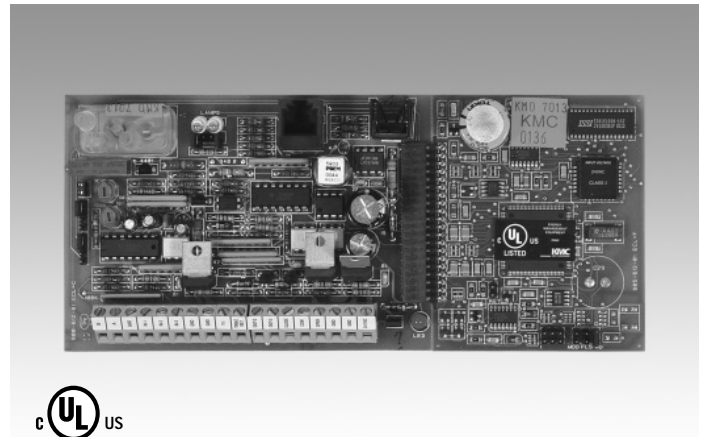
Features

KMD 7013/7013C 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 Tables
- ◆ 2 Weekly schedule w/Holiday/Special Event overrides
- ◆ 4 Full function PID Controllers
- ◆ Password Protection

Application

The KMD-7013/7013C controllers are specifically designed for VAV applications and contain factory programmed (canned) control sequences with descriptors. The factory programming has options for tri-state (floating) damper control for single duct cooling/heating; and time proportional or 3-stage reheat. 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-7013 and KMD-7013C. This allows the controllers to be completely user programmable.

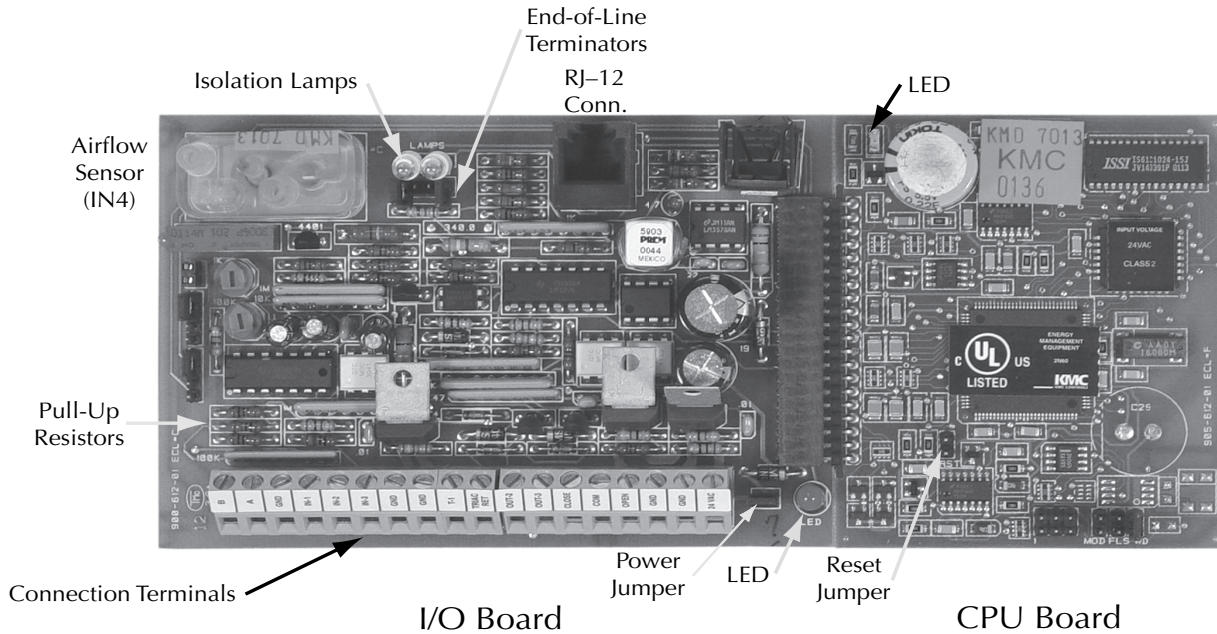


Accessories

The following related products are also available:

HPO-0054	Fuse bulb
HPO-0063	Jumper
HPO-7508	KMD-7013 CPU Board
HPO-7508C	KMD-7013C CPU Board
HPO-7608	KMD-7013 I/O Board

Details



Specifications

Supply Voltage	24 VAC, -15% / +20% 10VA Maximum	Digital	0/12 VDC (On/Off) 100 mA Max load each - not to exceed 350mA total
Communications	RS-485 @38,400 baud maximum	Wire Size	1 Triac 1 Tri-State Triac 12-22 AWG
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)	Weight	4.75 ounces (134.66 grams)
Auxiliary	RJ-12 connector for KMC NetView or Net Sensor devices	Size	7-1/2" x 3-1/4" (190.50 mm x 82.55 mm)
Inputs	1 Airflow sensor, 3 Universal Analog or Digital	Ambient Limits	
Analog	0-5 VDC	Operating	0°-120°F (-18°-49°C)
Digital	0/5 VDC or dry contact closure	Shipping	-40°-140°F (-40°-60°C)
Impedance	100 K Ω 10K Ω pull-up to +5VDC supply	Humidity	0-95% RH, non-condensing
Over-voltage protection			
Outputs	2 Universal Analog or Digital		
Analog	0-10 VDC (60 mA Max load each)		

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