

Description

The KMD-7101/7101C and KMD-7102/7102C are intelligent, programmable, 4 input/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 all other KMC digital controllers. The KMD-7101C and KMD-7102C include auto time reset after power restoration.

Features

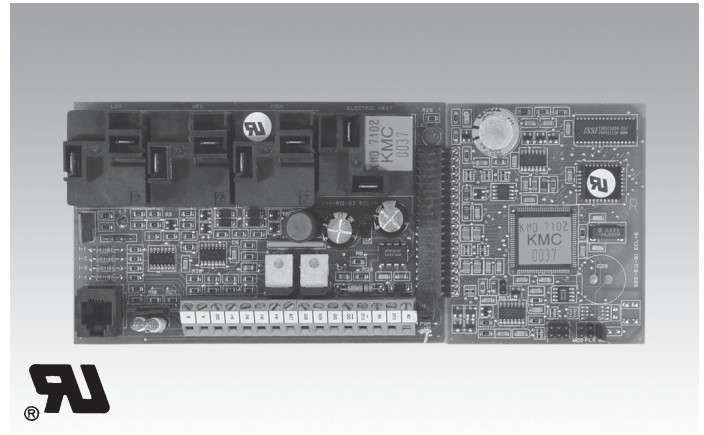
KMD-7101/7101C and KMD-7102/7102C controllers feature:

- ◆ 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-7101/7101C and KMD-7102/7102C controllers were specifically designed for Fan Coil Unit applications and include factory programmed (canned) control sequences with descriptors. Factory programming provides options for 3-speed auto or manual speed control and time proportional or 2-position hot and chilled water valve control. The KMD-7102 and KMD-7102C also provide auxiliary heat control.

An additional programming area (area 5) is provided for user programs. This feature allows the controllers to be modified by the user to add special sequences in addition to the factory programming.



(KMD-7102 Shown)

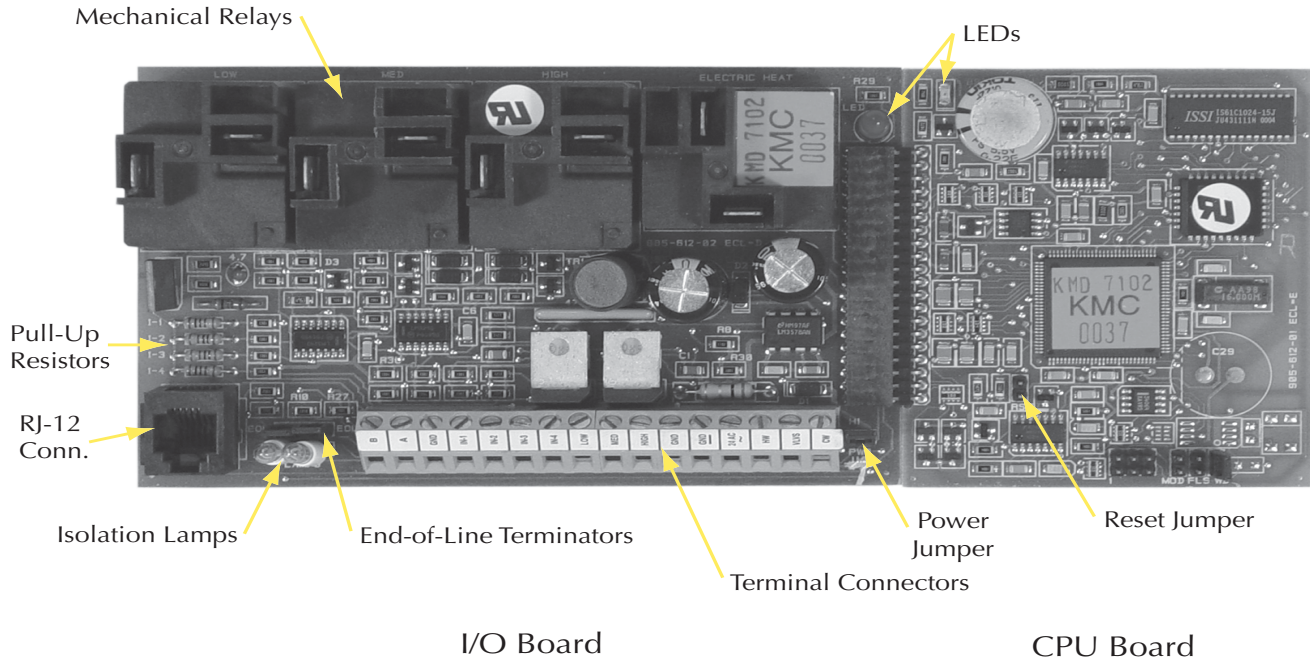
Alternately, the factory programming may be removed to allow full use of all five programming areas in all controllers. This allows the controllers to be completely user programmable for unique control applications.

Accessories

The following related products are also available:

HPO-0054	Fuse bulb
HPO-0063	Jumper
HPO-7506	KMD-7101/2 CPU Board
HPO-7506C	KMD-7101C/2C CPU Board
HPO-7605	KMD-7101 I/O Board
HPO-7606	KMD-7102 I/O Board

Details



Specifications

Supply Voltage	24 VAC, -15% / +20% 10VA Max	3 LED outputs for fan speed indication (on STE-5015)
Communications	RS-485 @38,400 baud maximum	1 Mechanical Relay 30 A, 240 VAC (7102 & 7102C only)
Comm 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)	Wire Size 12-22 AWG
Comm Auxiliary	RJ-12 for KMC NetView or Net Sensor devices	Weight 8 ounces (227 grams)
Inputs	4 Universal Analog or Digital	Size 7-3/8" x 3-1/4" (187.33 mm x 82.55 mm)
Analog	0-5 VDC	Ambient Limits
Digital	0/5 VDC or dry contact closure	Operating 0°-120°F (-18°- 49°C)
Impedance	100 K Ω Input to processor 10K Ω pull-up to +5VDC supply	Shipping -40°-140°F (-40°-60°C)
Overvoltage protection		Humidity 0-95% RH, non-condensing
Outputs	3 Mechanical relays (sequenced by out 1) 30A, 240 VAC Max	
2 Triacs	30 VAC, 1 A, Max	

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