

KMD-7302/7302C Direct Digital Controllers—Roof Top

Description

The KMD-7302 and KMD-7302C 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 all other KMC Digital controllers. The KMD-7302C has auto-reset of time after power restoration.

Features ===

The KMD-7302 and KMD-7302C controllers feature:

- ◆ Stand-alone or networked operation
- ◆ 4 inputs/4 outputs
- ♦ 32 software configurable variables
- ◆ User programmable
- 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-7302 and KMD-7302C controllers were specifically designed for Roof Top Unit applications and contain factory programmed (canned) control sequences with descriptors. The factory programming has options for fan, 2-stage heating, 2-stage cooling, and an economizer. 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-7302 and KMD-7302C. This allows the controllers to be completely user programmable.

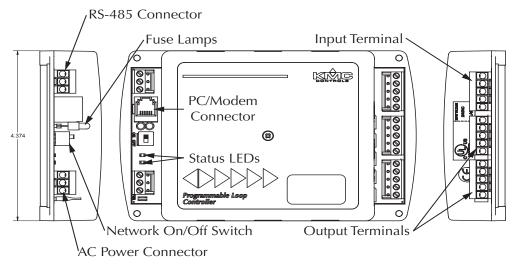


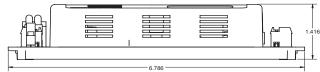
Accessories/Spares

The following products are also available:

HPO-0054 Fuse bulb HPO-0063 Jumper

Technical Details





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Supply Voltage 24 VAC, -15% / +20% 10VA

Max

Communications RS-485 @38,400 baud maxi-

mum

Communications

Wiring

RS–485 @ 38,400 baud maximum with Belden 82760 or equivalent. 18 AWG twisted shielded, 5.5 Ω /1000 ft. and \leq 51pf/ft (maximum 4,000 feet

w/o repeater)

Communications

Auxiliary RJ–12 for KMC NetView or

Net Sensor devices

Inputs 4 Universal Analog or Digital

Analog 0–5 VDC

Digital 0/5 VDC or dry contact clo-

sure

Impedance $100 \text{ K} \Omega$

10K Ω pull-up to +5VDC

supply

Overvoltage protection

Outputs 1 Universal Analog or Digital

Analog 0–10 VDC mA max load each

Digital 0/12 VDC, 100 mA maximum

load each output. Not to exceed 350 mA total

Short circuit protection

2 Dual-Staged Triac

1 Discrete Triac

Wire Size 12–22 AWG

Weight 4.5 ounces (127.58 grams)

Size 8" x 3-1/4"

(203.20 mm x 82.55 mm)

Ambient Limits

Operating $0^{\circ}-120^{\circ}F (-18^{\circ}-49^{\circ}C)$

Shipping $-40^{\circ}-140^{\circ}F (-40^{\circ}-60^{\circ}C)$

Humidity 0–95% RH, non-condensing

KMC Controls

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