KMD-1183/1185 NetSensors

Description

A KMD-1183/1185 NetSensor is a temperature/ humidity-sensing, wall-mounted, programmable operator interface for use in a KMC direct digital controls system in stand-alone (generally) or networked applications. The NetSensor allows easy, direct communication with the connected controller via a local access port. Three of its nine function keys can be reassigned by the user.

Features

The NetSensor provides the following user features:

◆ The center **Mode** button allows easy cycling between display/set options for room temperature, cooling setpoint, heating setpoint, and override.

◆ Flipping open the cover allows access to six function buttons: **Cooling Setpoint**, **Heating Setpoint**, **Override**, **Time**,* **Alarm**,* **Humidity**,* and (two buttons pressed together) **Day of Week**.* (*Three buttons and a fourth combination of buttons may be reassigned and programmed with the controller to display or control the state of any point in the attached controller.)

◆ Large, four character LCD display for easy temperature viewing, plus smaller characters for time and relative humidity.

◆ Four-pin EIA-485 (formerly RS-485) data port on the underside for easy temporary computer connection to the controller.

Accessories

|	
HMO-1161	4 x 4 inch backplate, almond
HPO-0044	Replacement hex screws
HPO-1161	Foam insulating gasket
KMD-5690	25-foot plenum cable with connector
KMD-5691	50-foot plenum cable with connector
KMD-5692	75-foot plenum cable with connector
KMD-5576	EIA-485 to USB Communicator
KMD-5559*	EIA-485 to EIA-232 CommTalk
*KMD-5624	Cable, data port to modular plug (connects KMD-5559 to NetSensor)

Applications

This NetSensor is compatible with the BAC-5800 series and BAC-7000 series BACnet controllers as well as the KMD-5800 series and KMD-7000 series KMDigital controllers.

Models and Alarm Handling

The difference between the two models—how each NetSensor handles an alarm state signalled by the connected controller—is described in the chart below.

State	KMD-1183	KMD-1185
Alarm	Display shows room temperature. When Button 6 (ALARM) is pressed, "**ON**" is momentarily displayed.	Display shows flashing "**ALM**" (alternating with room temperature display). Pressing Button 6 suppresses "ALM" indication for 10 minutes, and if Button 6 is pressed again during the 10 minute suppression period, "ALM" shows momentarily. When "ALM" is flashing, if any button other than 6 is pressed, the display momentarily returns to the normal display corresponding to that button.
No Alarm	Display shows room temperature. When Button 6 is pressed, "**OFF**" is momentarily displayed.	

Specifications

A

Modular Jack

B

C D

E

EIA-485 Data Port
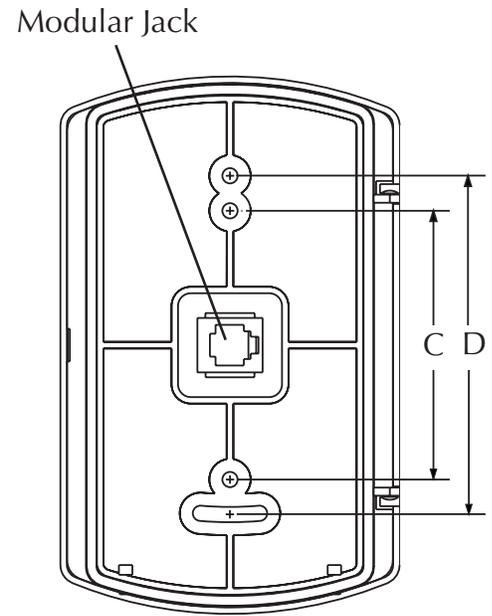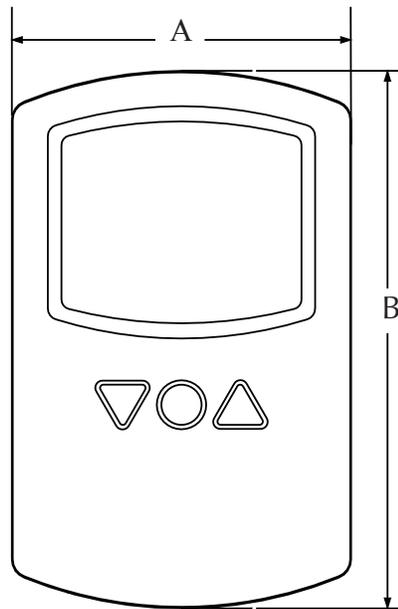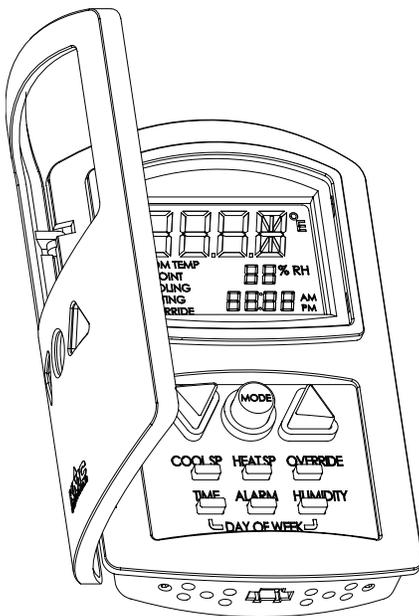
A	B	C	D	E
3.25 in.	5.16 in.	2.58 in.	3.25 in.	0.87 in.
83 mm	131 mm	66 mm	83 mm	22 mm
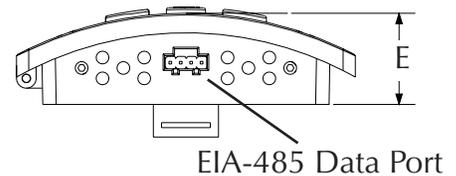
Display

Temperature continuously updated on 0.38-inch, four-character, liquid crystal display; time and humidity are simultaneously updated and displayed on smaller displays

Power

5 volts DC supplied from controller

Weight

2.8 ounces (80 grams)

Temperature Sensor

Type	CMOS
Accuracy	±0.9° F offset (±0.5° C) from 40° to 104° F (4.4° to 40° C)
Resolution	±0.1°F (±0.1° C)
Operating Range	36 to 120° F (2.2 to 48.8° C)
Response Time	5 to 30 seconds

Humidity Sensor

Type	CMOS
Humidity	0 to 100% RH
Accuracy	±2% RH (10 to 90% RH) at 77° F (25° C)
Response Time	Less than or equal to 4 sec.

Environmental Limits

Operating	34 to 125° F (1.1 to 51.6° C)
Humidity	0 to 95% RH, non-condensing
Shipping	–40 to 140° F (–40 to 60° C)

Connector Type

Six-wire modular jack to the controller

Maximum Cable Length

Connect with cable not longer than 75 feet (22.9 meters) and conductors no smaller than #24 AWG; plenum rated cable is recommended

Mounting

Backplate mounts to 2 x 4 inch vertical standard handy-box; the NetSensor is secured to the backplate by two concealed hex screws

Material

Light almond ABS

KMC Controls, Inc.

19476 Industrial Drive

New Paris, IN 46553

574.831.5250

www.kmccontrols.com; info@kmccontrols.com