

Description

A KMD-1181/1184 NetSensor® is a wall-mounted, **temperature and humidity** sensing, programmable operator interface for use in a KMC direct digital controls system. The NetSensor allows easy, direct communication with the connected controller via a local access port.

The NetSensor includes nine function keys, seven of which are programmable. The simple and functional design combined with its programmable functions allows for a wide variety of key assignments.

Features

These NetSensors provide the following features:

- ◆ Large, four-character LCD display for easy temperature viewing, plus smaller characters for time and relative humidity.
- ◆ Setpoint and up/down arrow buttons accessible through cover. Six additional function buttons behind the flip-open cover.
- ◆ Seven buttons may be programmed with the controller to display or control the state of any point in the attached controller.
- ◆ Four-pin EIA-485 (formerly RS-485) data port on the underside for easy temporary computer connection to the controller.

Applications

The KMD-1181/1184 NetSensor is compatible with the following controllers:

- ◆ BAC-5800 series BACnet controllers
- ◆ BAC-7000 series BACnet controllers
- ◆ KMD-5800 series controllers
- ◆ KMD-7000 series controllers

Models

KMD-1181	Almond
KMD-1181W	White
KMD-1184	Almond
KMD-1184W	White

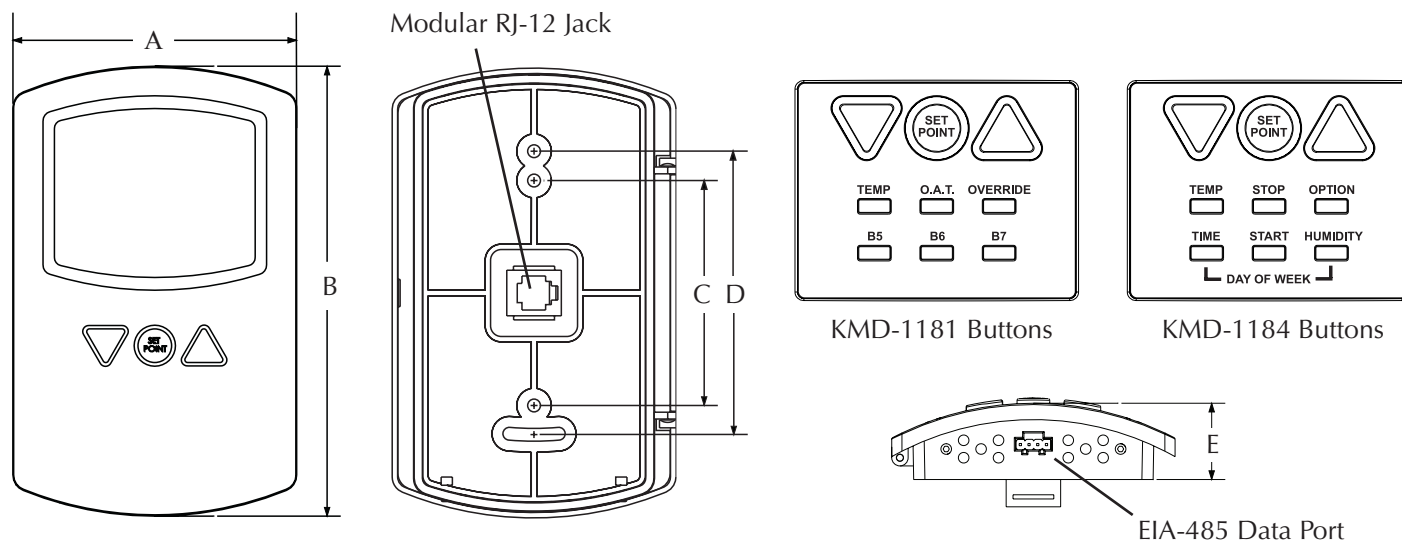


Accessories

The following accessories and parts are available:

HMO-1161	4 x 4 inch backplate, almond
HMO-1161W	4 x 4 inch backplate, white
HPO-1161	Gasket
HPO-0044	Replacement Allen screws (10)
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)

Specifications



Display

Temperature continuously updated on 0.38-inch, four-character, liquid crystal display. Time and relative humidity are simultaneously updated and displayed on a smaller display.

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 @ 25°C	± 2% RH (10 to 90% RH)
Response Time	Less than or equal to 4 seconds

Controller Connection

Connector type

Six-wire modular RJ-12 jack.

Cable type and maximum length

Connect with cable **not** longer than 75 feet (22.9 meters) and conductors no smaller than #24 AWG. KMC plenum rated cable is recommended (see Accessories section).

Power

5 volts DC supplied from controller.

A	B	C	D	E
3.25 in.	5.16 in.	2.58 in.	3.25 in.	0.87 in.
83 mm	116 mm	66 mm	83 mm	22 mm

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)

Weight

2.8 ounces (80 grams).

Material

Light Almond ABS, UL Flame Class 94HB.

Mounting

Backplate mounts to 2 x 4 inch vertical standard handy-box. The NetSensor is secured by two concealed Allen screws.

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