

Description

NetSensor® models KMD-1261 and KMD-1281 are wall-mounted, temperature and motion sensing, programmable operator interfaces for use in a KMC direct digital controls system. Model KMD-1281 includes humidity sensing.

The simple and functional design combined with programmable buttons make these models an ideal choice for installations that require temperature, humidity, motion sensing, and an operator interface in one unit.

Features

These models provide the following features:

- ◆ Large, easy to read, backlit LCD display for easy temperature viewing, plus smaller characters for time and relative humidity.
- ◆ Detect room occupancy up to 33 feet with built-in motion sensor.
- ◆ Convenient setpoint buttons accessible without opening the hinged cover. Six additional buttons are located behind the cover.
- ◆ Flexible applications with six buttons that may be programmed to display or control the state of any point in the attached controller.
- ◆ Accessible data port provides a convenient and quick network connection for computers or other service tools.

Applications

NetSensor models KMD-1261 and KMD-1281 are compatible with the following controllers:

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



Still... Made in the U.S.A.

Specifications

Display

Temperature is continuously updated on a 0.38-inch, four-character, liquid crystal display. Time and relative humidity are simultaneously updated and displayed on a smaller display. Automatic backlighting starts on first button pushed and remains on for 10 seconds after the last button is pushed.

Controller Connection

Connector type

Six-wire modular RJ-12 jack.

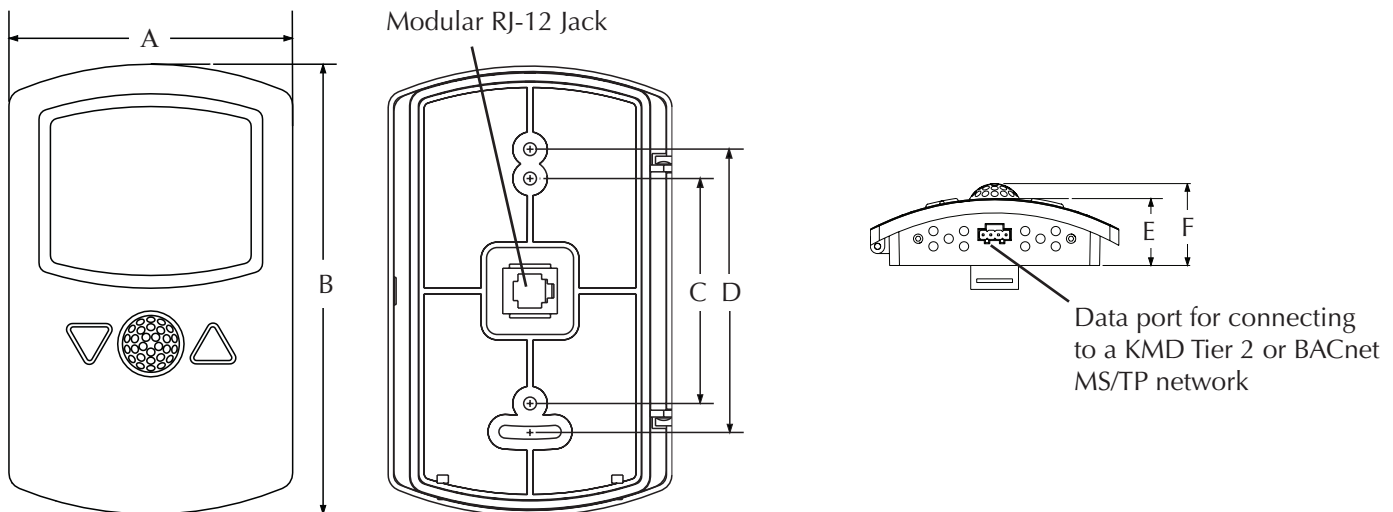
Cable type and maximum length

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.

Specifications



A	B	C	D	E	F
3.25 in.	5.16 in.	2.58 in.	3.25 in.	0.87 in.	1.07 in.
83 mm	131 mm	66 mm	83 mm	22 mm	27 mm

KMD-1261 sensor specifications

Model KMD-1261 senses temperature and motion.

Temperature Sensor

Type	Thermistor
Accuracy	$\pm 0.36^\circ\text{F}$ ($\pm 0.2^\circ\text{C}$)
Resistance	10,000 Ω at 77° F (25° C)
Operating range	48 to 96° F (8.8 to 35.5° C)

KMD-1281 sensor specifications

Model KMD-1281 senses temperature, humidity, and motion.

Temperature Sensor

Type	CMOS
Accuracy	$\pm 0.9^\circ\text{F}$ offset ($\pm 0.5^\circ\text{C}$) from 40° to 104° F (4.4° to 40° C)
Resolution	$\pm 0.1^\circ\text{F}$ ($\pm 0.1^\circ\text{C}$)
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	$\pm 2\%$ RH (10 to 90% RH)
Response time	Less than or equal to 4 seconds

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

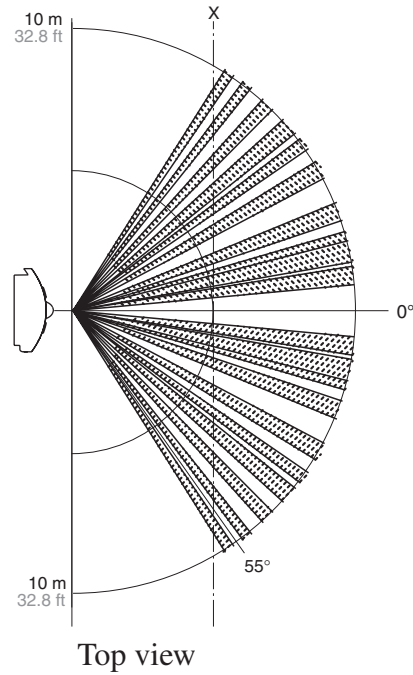
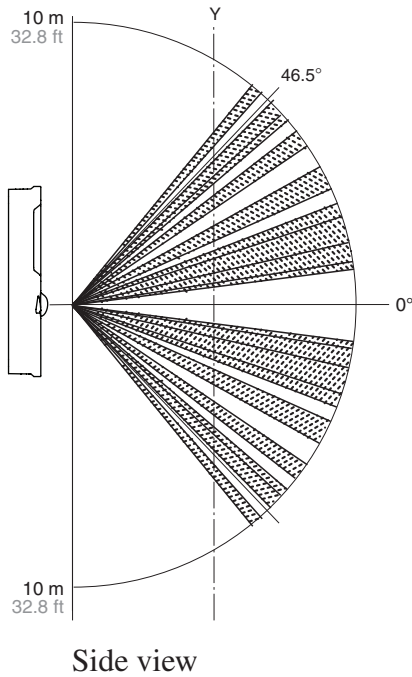
Light almond or white plastic

Mounting

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

Motion sensor range

Detector type Passive infrared
Range 33 feet (10 meters). See diagrams.



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)

Models

Temperature only

KMD-1261	Almond
KMD-12611W	White

Temperature and humidity

KMD-1281	Almond
KMD-1281W	White



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