# KMD-1161/1164 NetSensor

## Description

A KMD-1161/1164 NetSensor® is a wall-mounted, temperature-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.

◆ 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.
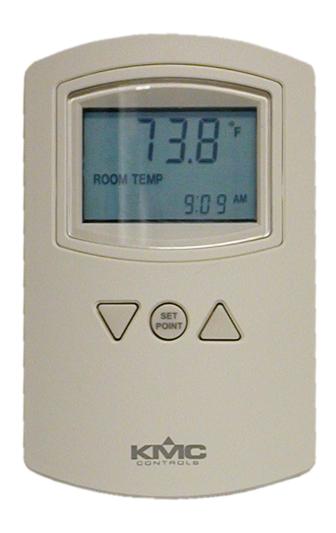
## Applications

The KMD-1161/1164 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-1161 | Almond |
| KMD-1161W | White |
| KMD-1164 | Almond |
| KMD-1164W | White |

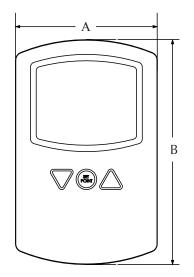Note: If monitoring of relative humidity is desired, use a KMD-1181/1184.

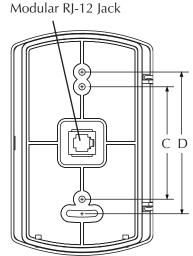## Accessories

The following accessories and parts are available:

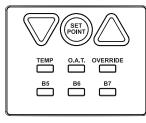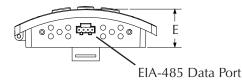| | |
|---|---|
| HMO-1161 | 4 x 4 inch backplate, almond |
| HMO-1161W | 4 x 4 inch backplate, white |
| HPO-1161 | Gasket |
| HPO-0044 | Replacement Allen screws (10) |
| KMD-5690 | 25-foot plenum cable with connector |
| KMD-5691 | 50-foot plenum cable with connector |
| KMD-5692 | 75-foot plenum 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



Modular RJ-12 Jack

KMD-1161 Buttons

KMD-1164 Buttons

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 | 116 mm | 66 mm | 83 mm | 22 mm |

## Display

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

## Temperature Sensor

| | |
|---|---|
| Type | Thermistor |
| Accuracy | ±0.36° F (±0.2° C) |
| Resistance | 10,000 Ω at 77° F (25° C) |
| Operating Range | 48 to 96° F (8.8 to 35.5° C) |

## 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.

## 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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