## INTRODUCTION

Complete the following steps to mount a KMC Conquest STE-9000 Series Digital NetSensor and connect it to a Conquest BAC-59xx/9xxx Controller.



| STE-90xx/93xx | STE-92xx/95xx with Motion Sensor | STE-9xxxW-NDL (no display) |

**NOTE:** See the **Conquest NetSensors STE-9000 Series Digital Room Sensors** data sheet and the **Conquest Selection Guide** at **kmccontrols.com** for specifications and other information.

### SELECT MOUNTING LOCATION

See the **Room Sensor and Thermostat Mounting Location and Maintenance Application Guide** for cautions, troubleshooting, and best practices.
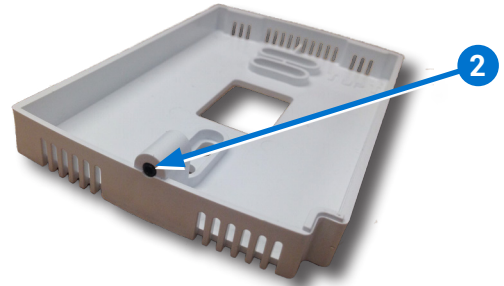
**NOTE:** Complete rough-in-wiring at each location before installing a sensor.

## REMOVE BACKPLATE

1. Turn the **hex screw 1** clockwise into the sensor until the screw clears the cover.



**NOTE:** The hex screw **2** should remain in the backplate.
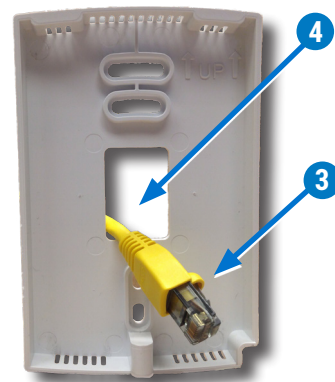


2. Pull the cover from the backplate.

## CONNECT ETHERNET CABLE

3. Feed the **Ethernet patch cable 3** from the Conquest controller through the center of the **backplate 4**.

**NOTE:** The Ethernet patch cable should be a maximum of 150 feet (45 meters).



4. Mount the backplate on an electrical box using the screws provided.

**NOTE:** If additional thermal insulation is needed, install the optional **HPO-9002** gasket between the backplate and the electrical box. For more information, see the **Room Sensor and Thermostat Mounting Location and Maintenance Application Guide.**

5. Plug the **Ethernet cable** **5** into the **modular jack** **6** of the sensor.
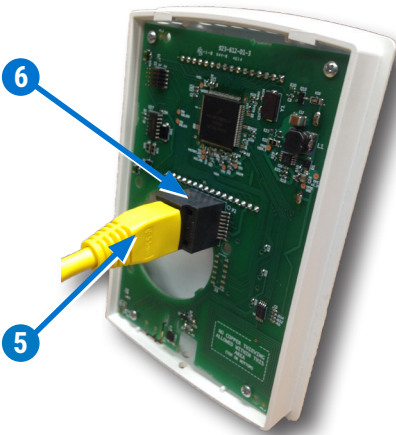


## INSTALL SENSOR COVER

6. Place the **cover** **7** over the top of the **backplate** **8** ensuring that the tabs on the cover rest on top of the backplate.

7. Swing down the cover over the backplate **9**, taking care not to pinch the Ethernet cable.
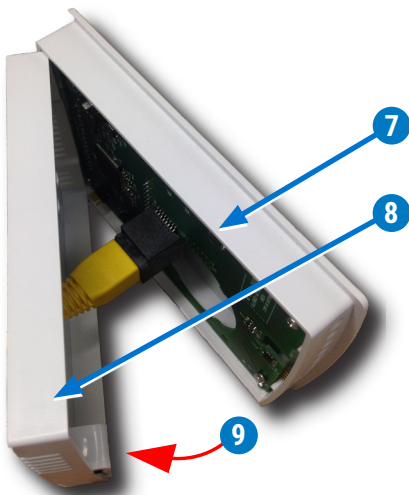


**⚠ CAUTION**

**If any force seems to be needed to close the cover over the backplate, check the alignment of the tabs on the top of the backplate and/or the hex screw.**

8. Turn the **hex screw** **10** counterclockwise until it engages the cover.



## OPERATE

The STE-9000 Series NetSensor becomes operational after it is connected to a powered Conquest controller.

To change setpoints or configuration, see the **KMC Conquest Controller Application Guide**.

For continued maximum NetSensor efficiency, see the maintenance section in the **Room Sensor and Thermostat Mounting Location and Maintenance Application Guide.**

In $CO_2$ sensing models, the NetSensor must be continuously powered and exposed to fresh air through the HVAC system in order to self calibrate. The calibration technique is designed for use in applications where $CO_2$ concentrations periodically drop to outside ambient conditions (~400 ppm). The sensor typically reaches its operational accuracy after 25 hours of continuous operation if exposed to ambient reference levels of air 400 ± 10 ppm $CO_2$. The sensor will maintain accuracy specifications if exposed to a reference value at least four times in 21 days.

## IMPORTANT NOTICES

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