

# Raychem QuickNet-Check

## QUICKNET HEATING CABLE CONTINUITY MONITOR INSTALLATION INSTRUCTIONS



### DESCRIPTION

The QuickNet-Check monitor is used to verify the continuity of the QuickNet heating cable and the integrity of its outer jacket during the installation process. The monitor connects to the cold leads of the cable and, if the heating cable is damaged, the alarm on the monitor will sound. The monitor can also be re-used for subsequent installations and to help troubleshoot any problems that may arise.

### TOOLS REQUIRED

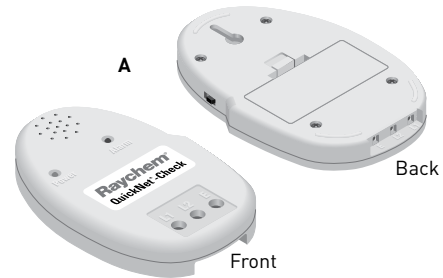
- Phillips (No. 1) screwdriver

### ADDITIONAL MATERIALS REQUIRED

- QuickNet System Installation Manual (H57704)
- QuickStat Thermostat Installation and Operation Manual (H57725)
- Two (2) AAA batteries

### KIT CONTENTS

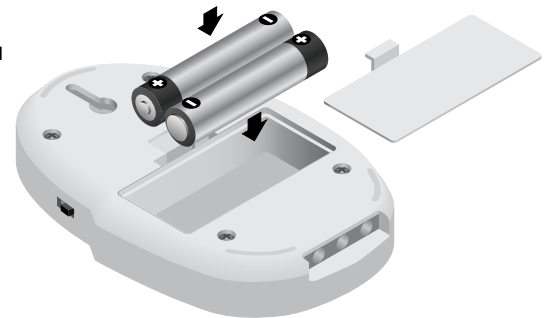
Item	Qty	Description
A	1	QuickNet-Check monitor



### Installing the batteries

- Open the battery cover and insert the two (2) AAA batteries into the compartment. Make sure the batteries are installed in the proper orientation. See Figure 1.
- Replace the battery cover and switch the unit "ON".
- The alarm should sound and the red light should light since there is no connection to a mat or cable. If this does not occur, please make sure that the batteries are properly installed or replace the batteries.
- During normal use, the green light indicates that the QuickNet-Check monitor is monitoring the mat or cable for damage. Should the green light go out, replace the batteries before continuing work.

Figure 1



### WARNING:

- **Do not** power the QuickNet Floor Heating System with the QuickNet-Check installed. Doing so can damage the monitor and the heating mat.
- Use of the QuickNet-Check monitor **does not** replace performing the three commissioning tests as outlined in the QuickNet System Installation Manual (H57704). The Insulation, Heating Cable and Sensor Resistance tests must be performed as stated in the Installation Manual and the readings **must** be recorded for the warranty to apply.

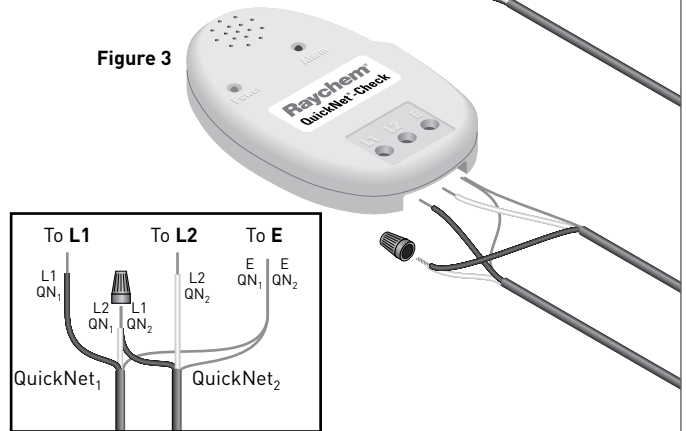
## Connecting the QuickNet heating mat to the QuickNet-Check monitor during installation

- Verify that the mat is not connected to a power source.
- Connect the QuickNet heating mat(s) at the beginning of the project to detect for faults in the heating cable.
- Connect one QuickNet mat as shown in Figure 2; Connect two mats in series as shown in Figure 3.
- Turn monitor ON.
- The green light should light to indicate that the QuickNet-Check monitor is operating properly.
- The alarm will sound and the red light will light if the monitor detects damage to the heating cable or if the lead wires come loose. The two types of damage that can be detected are:
  - A break in the continuity of the heating element
  - A short to the ground wire
- If the alarm sounds, verify that the lead wires are properly connected. If the lead wires are properly connected, stop the installation and contact Pentair Thermal Management at 800-545-6258.
- It is strongly recommended that you keep the QuickNet-Check monitor turned ON and attached to the cold leads throughout the installation of the heating mat. Detecting a fault in the heating cable before setting it in mortar can help to save both time and rework cost.

Figure 2



Figure 3



## Connecting the QuickNet heating mat to the QuickNet-Check monitor to troubleshoot issues after installation

- Turn off the power to the QuickNet floor heating system at the circuit breaker before starting any work.
- Remove the QuickStat Thermostat and disconnect the cold leads, power wires and floor sensor leads by following the instructions in the QuickStat Thermostat Installation and Operation manual (H57725).
- Connect the cold leads to the QuickNet-Check monitor as shown in Figure 2 and turn monitor ON.
- If the alarm sounds, contact Pentair Thermal Management at (800) 545-6258.
- If the alarm does not sound, refer to the Troubleshooting section of the QuickNet System Installation Manual (H57704).



WWW.THERMAL.PENTAIR.COM

### NORTH AMERICA

Tel: +1.800.545.6258  
 Fax: +1.800.527.5703  
 Tel: +1.650.216.1526  
 Fax: +1.650.474.7711  
 thermal.info@pentair.com

### EUROPE, MIDDLE EAST, AFRICA

Tel: +32.16.213.511  
 Fax: +32.16.213.603  
 thermal.info@pentair.com

### ASIA PACIFIC

Tel: +86.21.2412.1688  
 Fax: +86.21.5426.2917  
 cn.thermal.info@pentair.com

### LATIN AMERICA

Tel: +55.11.2588.1400  
 Fax: +55.11.2588.1410  
 thermal.info@pentair.com

Pentair, QuickNet and QuickStat are owned by Pentair or its global affiliates. All other trademarks are the property of their respective owners. Pentair reserves the right to change specifications without prior notice.