



Tech note

EN1243 EchoStream® Wireless Smoke/Heat Detector Temperature Threshold

Introduction

Should you notice an EN1243 EchoStream® wireless smoke/heat detector exhibiting erratic alarm behavior, there is the possibility that it is one of a few configured at the factory with a rate of rise (ROR) threshold temperature that is lower than specified. These units were produced between March 28th, 2016 and October 01, 2016.

Most sites will not experience a ROR at either the specified threshold temperature or the lower than specified threshold temperature. As such, this tech note provides the means of identifying EN1243s with a lower than specified threshold temperature, and instructions about what to do next.

Identifying the Heat Threshold and Contacting Inovonics

As a UL217 listed product, the EN1243 is intended for use as a supplemental residential fire alarm device and not intended for use in commercial applications.

The chart below details the EN1243 ROR temperature thresholds. EN1243s with a manufacturing date code between March 28, 2016 and October 01, 2016 have a lower ROR threshold temperature and may send an alarm below the threshold temperature specified in the installation instructions and datasheet.

Table 1: EN1243 temperature thresholds

Manufacturing date code	Rate of rise specification
Before March 28, 2016 and after October 01, 2016	15°F/min > 105°F (8.3°C/min > 40.6°C)
March 28, 2016 to October 01, 2016	15°F/min > 85°F (8.3°C/min > 29.4°C)

To determine the manufacturing date code on a EN1243:

1. Locate the manufacturing date code on the label on the back of each EN1243, as shown in Figure 1.

Consider installing EN1243s manufactured between March 28, 2016 and October 01, 2016 in locations less susceptible to severe temperature swings.



Figure 1 EN1243 manufacturing date code label

If the manufacturing date code is between March 28, 2016 and October 01, 2016:

2. Contact Inovonics technical services for additional troubleshooting guidance, or to initiate return material authorization (RMA) procedures:
 - E-mail: support@inovonics.com
 - Phone: (800) 782-2709