



Date:
To: Valued Customer
From: Product Safety Office
Subject: Edwards 280 Series Mechanical Heat Detector Announcement
Reference: Tech Facts Bulletin TF00008 dated

IMPORTANT SAFETY NOTICE – ACTION REQUIRED

Please instruct your Sales, Design, Purchasing, Installation, and Service personnel to carefully read this bulletin and complete the required action.

Why am I receiving this safety notice bulletin?

Edwards identified a potential product issue impacting the performance of Edwards 280 Series mechanical heat detectors.

Given their property protection function, the performance and reliability of these products in your end-use applications are of paramount importance to us. As you know, Edwards, as the original equipment manufacturer (OEM), and your company, as the authorized distributor, have responsibilities to end users to ensure the safe operation of our products.

Tech Facts Bulletin TF00008 details

On October 08, 2019, Edwards issued Tech Facts Bulletin TF00008 mandating the field replacement of the 280 Series mechanical heat detectors installed in life-safety applications identified in the bulletin.

The mandatory field replacement of the 280 series heat detectors identified in this bulletin is required to the extent installed in life safety applications listed in Table 2 of the bulletin. This is required to resolve an issue where the detectors in question may fail to report an alarm condition within the temperature range allowed by their agency listing. Affected models installed in non-life safety applications may present a property protection risk, and are also within scope of this remediation, to the extent manufactured on or after January 1, 2014, as Edwards is extending the warranty on such units to five years, instead of the original three-year warranty.

What should I do now?

Review previous communications

Please review Tech Facts Bulletin TF00008 for a list of the affected models and follow the instructions for corrective action.

Provide an update status

Please provide the following details and the mandatory update status for systems purchased, installed, and/or maintained by your company.

Total number of affected units	Number of affected units completed	Number of affected units remaining	Expected completion date for balance of affected units	Number of affected units that cannot/will not be updated

If there are affected sites that you are unable to update, please check the appropriate box below to explain why.

- Site (or installation) is no longer active or in business
- Site is no longer maintained or supported by your organization
- Site owner (or customer) is unwilling to perform the mandatory update

Provide contact information

Please provide information for a contact person within your organization that we can contact periodically for a status update on the remediation progress of affected sites.

Contact name:

Title:

Phone number:

Email address:

How long do I have to respond to this notice?

We would appreciate receiving your response to this request within the next 60 days.

Questions or concerns

Thank you for your attention to this matter. If you have any questions or concerns, please contact your local Sales Representative or Technical Support agent. Refer to the tech facts bulletin for Technical Support contact information.

Edwards 280 Series Mechanical Heat Detector recalled due to potential failure to operate

Starting date: Posting date: Type of communication: Subcategory: Source of recall: Issue: Audience: Identification number:	(ENTER DATE) (ENTER DATE) Consumer Product Recall (Product category) Health Canada Product Safety General Public (GP) (Generated by system number)	Report a Concern
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Affected products	What you should do
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Summary

- **Product:** Edwards 280 Series Mechanical Heat Detector
- **Issue:** The product may fail to activate, causing users and central monitoring stations to not be alerted to the elevated temperature which could lead to the spread of fire.
- **What to do:** Consumers who use the product in life-safety applications should contact a fire alarm professional of their choice for replacement options.

Affected Products

Edwards 280 Series Mechanical Heat Detector

Product Description

The product is a mechanical heat detector used in specific indoor applications to detect the presence of an elevated temperature. It does not detect smoke, nor does it contain an audible notification device as part of the assembly. This product is professionally installed and used as part of a fire detection system, in places where a smoke alarm would be unsuitable. In residential settings this product is installed in kitchens, attics and garages for the purpose of property protection, but not life safety. This detector must be connected to a fire alarm or security panel for monitoring and supervision, as the panel, and not the affected product, drives the connected alarm signals. The affected units are the following:

Catalog #	Description
281B-PL	Heat Detector, 135F, Rate of Rise and Fixed Temperature, Edwards-Branded

283B-PL	Heat Detector, 135F, Fixed Temperature, Edwards-branded
104-13	Heat Detector, 135F, Rate of Rise and Fixed temperature, sold by Interlogix
104-15	Heat Detector, 135F, Fixed Temperature, sold by Interlogix
1EYC2	Heat Detector, 135F, Rate of Rise and Fixed Temperature, Edwards, Grainger P/N
1EYC4	Heat Detector, 135F, Fixed Temperature, Edwards, Grainger P/N
281B-20pkg-OEM-UTC01	Heat Detector, 135F, Rate of Rise and Fixed Temperature, Honeywell Security
281B-20pkg-OEM-UTC20	Heat Detector, 135F, Rate of Rise and Fixed Temperature, Interlogix
281B-OEM-UTC01	Heat Detector, 135F, Rate of Rise and Fixed Temperature, Honeywell Security
283B-20pkg-OEM-UTC01	Heat Detector, 135F, Fixed Temperature, Honeywell Security

Hazard Identified

The products may fail to activate between 53.9 and 60.6 degrees Celsius as intended, causing users and central monitoring stations to not be alerted to the elevated ambient temperature in a location, which could lead to the spread of fire.

As of September 9, 2019 the company has received no reports of incident or injuries in Canada or elsewhere.

Number Sold

The company estimates that between 275,000 and 382,000 units of the affected product were sold in Canada since 2004.

Time Period Sold

The affected products were sold from approximately 1979 to March 2019.

Place of Origin

Manufactured in China

Companies

Manufacturer

Walter Kidde Portable Equipment Inc. (d/b/a Edwards Fire Safety)
 Bradenton
 Florida
 UNITED STATES

What you should do

Consumers who use the product in life-safety applications should contact a fire alarm professional of their choice for replacement options.

For more information, consumers may contact Edwards Fire Safety at 1-800-505-5088, Monday to Friday from 9 a.m. to 5 p.m. EST or online at

<https://edwardsheatdetector.rsvpcomm.com/>.

Please note that the Canada Consumer Product Safety Act prohibits recalled products from being re-distributed, sold or even given away in Canada.

Health Canada would like to remind Canadians to report any health or safety incidents related to the use of this product or any other consumer product or cosmetic by filling out the Consumer Product Incident Report Form (<https://www.canada.ca/en/health-canada/services/consumer-product-safety/advisories-warnings-recalls/report-incident-involving-consumer-product.html>).

This recall is also posted on the [OECD Global Portal on Product Recalls website](http://globalrecalls.oecd.org/) (<http://globalrecalls.oecd.org/>). You can visit this site for more information on other international consumer product recalls.

Images

Image 1. Edwards 280 Series Mechanical Heat Detector



Date modified: (Automatically generated date)

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TECH FACTS BULLETIN

TECHNICAL SUPPORT

P/N TF00008

280 Series Mechanical Heat Detector: Field Replacement Program



Introduction

This bulletin informs you of a potential product issue impacting the performance of Edwards 280 Series mechanical heat detectors and tells you how to resolve it.

This bulletin requires a mandatory field replacement of the 280 series heat detectors identified in Table 1 of this bulletin, to the extent installed in applications listed in Table 2. If you are a building owner or facility manager please contact a fire alarm professional of your choice for replacement options and to complete the remediation process. Action will be required on your part if you have purchased and installed these products. Please share this bulletin with your Design, Installation, Service, and Purchasing personnel immediately.

Edwards will reimburse fire alarm professionals a fixed amount per unit, as determined by Edwards, to offset some of the cost of the defective unit and the labor related to the unit's removal. Such amounts should be credited by the fire alarm professional to the end user as units are replaced.

Issue

Edwards has identified a quality issue in certain mechanical heat detectors that could result in the detector not working as intended as they age. Edwards 280 Series mechanical heat detectors may fail to report an alarm condition within the temperature range allowed by their agency listings. Please note, however, that models with date codes prior to January 1, 2004 should have been replaced per NFPA 72 requirements and CAN/ULC S-536 recommendations, which recommends replacement of heat detectors after fifteen years of service, and are therefore outside the scope of this bulletin. This bulletin only covers models installed in life safety applications

manufactured on January 1, 2004 or after, and models installed in non-life safety applications manufactured on or after January 1, 2014. The affected models are listed in Table 1.

Note: This issue only affects the models listed in the Table 1. The 195F models of this heat detector *are not* affected.



Figure 1: 281B-PL Series mechanical heat detector



Figure 2: Location of manufacturing date code on detector. (August 18, 2017) Format: (YY = last two characters of calendar year, DDD = Ordinal/Julian number of the day of the calendar year)

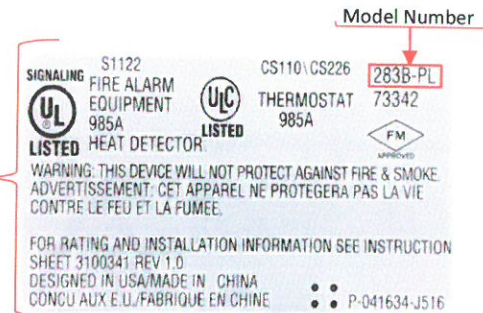


Figure 3: Product label (located on the back of the detector)

Table 1: Affected models

Catalog number	Description
281B-PL	Heat Detector, 135F, Rate of Rise and Fixed temperature, Edwards branded, Honeywell, JCI/Tyco, NAPCO
283B-PL	Heat Detector, 135F, Fixed temperature, Edwards branded, Honeywell, JCI/Tyco
104-13	Heat Detector, 135F, Rate of Rise and Fixed temperature, sold by Interlogix, NAPCO
104-15	Heat Detector, 135F, Fixed temperature, sold by Interlogix
1EYC2	Heat Detector, 135F, Rate of Rise and Fixed temperature, Edwards, Grainger P/N
1EYC4	Heat Detector, 135F, Fixed temperature, Edwards, Grainger P/N
281B-20pkg-OEM-UTC01	Heat Detector, 135F, Rate of Rise and Fixed temperature, Honeywell Security
281B-20pkg-OEM-UTC20	Heat Detector, 135F, Rate of Rise and Fixed temperature, Interlogix
281B-OEM-UTC01	Heat Detector, 135F, Rate of Rise and Fixed temperature, Honeywell Security
283B-20pkg-OEM-UTC01	Heat Detector, 135F, Fixed temperature, Honeywell Security

Catalog number	Description
73340U	Heat Detector, 135F, Fixed temperature and Rate of Rise, Mirtone
73341U	Heat Detector, 135F, Fixed temperature, Mirtone
AI281B	Heat Detector, 135F, Fixed temperature and rate of rise, Edwards
AI283B	Heat Detector, 135F, Fixed temperature, Edwards
281A	Heat Detector, 135F, Fixed temperature and rate of rise, Edwards

NOTE: The above models are discontinued and no longer available,

The 280 Series mechanical heat detectors are not a life safety device. When life safety is a factor, the use of smoke detectors is recommended. However, there are a handful of commercial building code sections that allow the use of a heat detector in lieu of a smoke detector, as set forth on Table 2. In such instances, this product issue becomes of safety concern. If your devices are currently installed in such applications they must be replaced **immediately**. Affected models installed in non-life safety applications may present a property protection risk, and are also within scope of this remediation, to the extent manufactured on or after January 1, 2014, as Edwards is extending the warranty on such units to five years, instead of the original three-year warranty.

Table 2: Potential Safety Applications

Application	Description	Code References
Elevator Power Shutdown	<p>Mechanical heat detectors can be used for:</p> <ul style="list-style-type: none"> Elevator power shutdown applications Elevator Phase I recall operations when protecting the elevator hoist way and pit 	<p>NFPA 101 (2018) 9.6.3.2.1</p> <p>NFPA 72 (2019) 21.3.8, 21.4</p> <p>CAN/ULC-S524-2019 8.3.14</p>
Reduction in Fire Barrier Resistance of Construction Materials	<p>Mechanical heat detectors can be used to reduce fire resistance rating:</p> <ul style="list-style-type: none"> Health care facilities Buildings up to and including six (6) stories in building height with residential occupancies Hotels 	<p>NBCC (2015) 9.4.2.5, 9.4.2.6, 9.5.2.6, 9.5.2.9, 9.5.4.3, 9.9.2.2, 9.9.2.9, 9.9.4.2, 9.9.4.5</p>
In Lieu of Smoke Detectors	<p>Mechanical heat detectors can be used in lieu of smoke detectors:</p> <ul style="list-style-type: none"> In environment conditions not suitable for smoke detectors 	<p>IBC (2015) 907.4,</p> <p>NFPA 72 (2019) 10.4.5, 21.3.10</p> <p>CAN/ULC-S524-2019 8.3.11.4</p>

Application	Description	Code References
In Lieu of Sprinklers	<p>Mechanical heat detectors can be used in lieu of sprinklers:</p> <ul style="list-style-type: none"> • In attics of R-4 occupancies • Existing apartment buildings with only an automatic fire detection system using Option 2 • New and existing residential board and care occupancies, attic extinguishing requirements • Buildings higher than six (6) stories in building height with residential occupancies - storage rooms, locker rooms, service rooms, machinery rooms, heating rooms, incinerator rooms, linen and refuse chute intake compartments, janitors' closets and refuse storage rooms, at the tops of elevator shafts and exit stair shafts and in any room or area where hazardous or combustible materials may be used or stored, unless sprinklered 	IBC (2015) 7.2.1.6.1.1
For Releasing Door Locks	<p>Mechanical heat detectors can be used to for releasing delayed egress locking systems</p> <ul style="list-style-type: none"> • Low and ordinary hazard content areas may contain delayed egress locking systems. If heat detectors are used in the fire detection systems their activation response must include releasing the delayed egress locking systems. 	IBC (2015) 7.2.1.6.1.1
In Lieu of Manual Pull Stations	<p>Mechanical heat detectors can used in lieu of manual pull stations:</p> <ul style="list-style-type: none"> • Group E with voice/alarm communication systems – In auditoriums cafeterias and gymnasiums. 	IBC (2015) 907.2.3

Solutions

I. AFFECTED UNITS ELIGIBLE FOR REFUND -

a. FOR DETECTORS INSTALLED IN LIFE SAFETY APPLICATIONS MANUFACTURED JANUARY 1, 2004 OR AFTER (DATE CODE 04001 AND HIGHER)

Detectors manufactured after January 1, 2004* installed in any application listed on Table 2 must be destroyed and replaced **immediately**. Please follow the steps below on Table 3 for product destruction in the field. Proof of these actions must be submitted for a refund.

***Note:** The date code range for detectors in a life safety application is fifteen years. Not to be confused with the extended warranty period of five years, discussed below for units in non-life safety applications.

b. FOR DETECTORS INSTALLED IN NON-LIFE SAFETY APPLICATIONS MANUFACTURED JANUARY 1, 2014 OR AFTER (DATE CODE 14004)

Detectors in non-life safety applications and manufactured on or after January 1, 2014 are also within the scope of this remediation. Please follow the steps below on Table 3 for product destruction in the field. Proof of these actions must be submitted for a refund.

Table 3: Field destruction

Step 1: Contact a licensed fire alarm professional of your choice to perform Steps 2-5 below.

- This remediation should only be completed by licensed fire alarm professionals due to technical requirements and safety concerns.

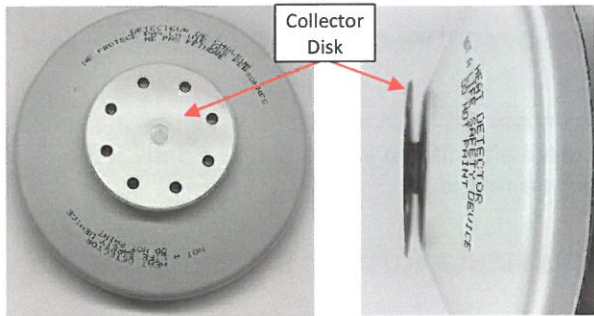
Step 2: Identify affected product



- Locate product information on the side of the detector
- Make sure detector has written 135 in large font size (item A)
- Verify the manufacturing date code is 04001 or higher (item B)

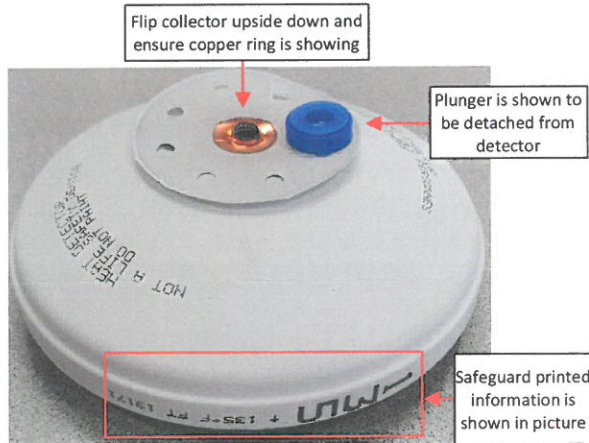
Step 3: Unhook detector from ceiling

Step 4: Rip off collector disk



- Rip off collector disk attached to the top of the detector
- Ensure collector disk is completely separated from the detector

Step 5: Take a photo evidence of proof of destruction



- Place collector disk upside down on top of the detector
- Take a photograph showing the details printed on the side of the detector as shown on the left

Required actions for fire alarm professionals:

- Segregate, hold, and stop sale of all models listed in Table 1.
- Work with any impacted sites and plan for removal and replacement.
- Submit a claim through edwardsheatdetector.rsvpcomm.com using the Form Registration Code provided below. A written certification and photo evidence will be required as proof of destruction for a refund of your purchase price per website instructions (see Table 3 for more details).
- Please immediately notify your customers of this product issue.

FORM REGISTRATION CODE:
CHUMHD19

II. AFFECTED UNITS NOT ELIGIBLE FOR REFUND -

a. FOR DETECTORS IN LIFE SAFETY APPLICATIONS MANUFACTURED BEFORE JANUARY 1, 2004 (DATE CODE LOWER THAN 04001)

Detectors installed in life safety applications manufactured before January 1, 2004 should no longer be in service, as NFPA 72 and CAN/ULC S-536 require or recommend replacement after fifteen years. These alarms are therefore outside of the scope of this remediation and not eligible for a refund.

b. FOR DETECTORS IN NON-LIFE SAFETY APPLICATIONS MANUFACTURED BEFORE JANUARY 1, 2014 (DATE CODE LOWER THAN 14004)

Detectors installed in non-life safety applications manufactured before January 1, 2014 are outside of Edwards' extended warranty of five years. Therefore, such older models are outside the scope of this remediation and not eligible for a refund.

Regardless of eligibility for a refund, Edwards instructs that all affected units in the field should be removed and replaced.

For more information about this important announcement, please visit the website listed below. Please reference this bulletin (TF00008) on the request.

Contacting support

Tel: +1 (800) 505-5088

edwardsheatdetector.rsvpcomm.com

www.chubbfs.ca