

How Thermarestor protects an Electrical Switchpanels

Electrical switchgear and safety:

A concise guide for users



Effects of fires in the switchgear

Fires in electrical switchpanels are not frequently publicly reported - in fact there are no available figures to confirm how many or causes.

The consequences are dramatic in terms of business continuity, financially and even in reputational damage in some cases.



*Stansted Airport power outage
causes delays for passengers*

August 2023

*Stansted Airport power failure
causes passenger delays*

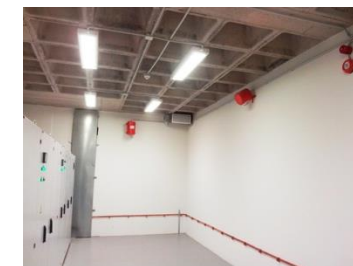
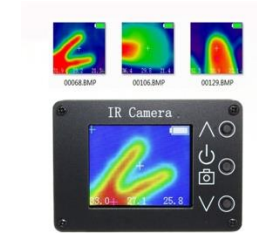
Current options - Detect and Notify Or Detect and Extinguish

Maintenance teams monitor panels and report issues

OR

Fire occurs, extinguishant automatically operates.

Both incur considerable ongoing or initial costs



Thermarestor

Thermarestor gives early warning of a Thermal Event. It gives building owners and custodians time to investigate the situation BEFORE a fire occurs.

Thermarestor is a passive device that activates when a heat rise of above 80degC (+/- 5degC) is detected.

MultiPoint and Single point sensors protect wiring connections.

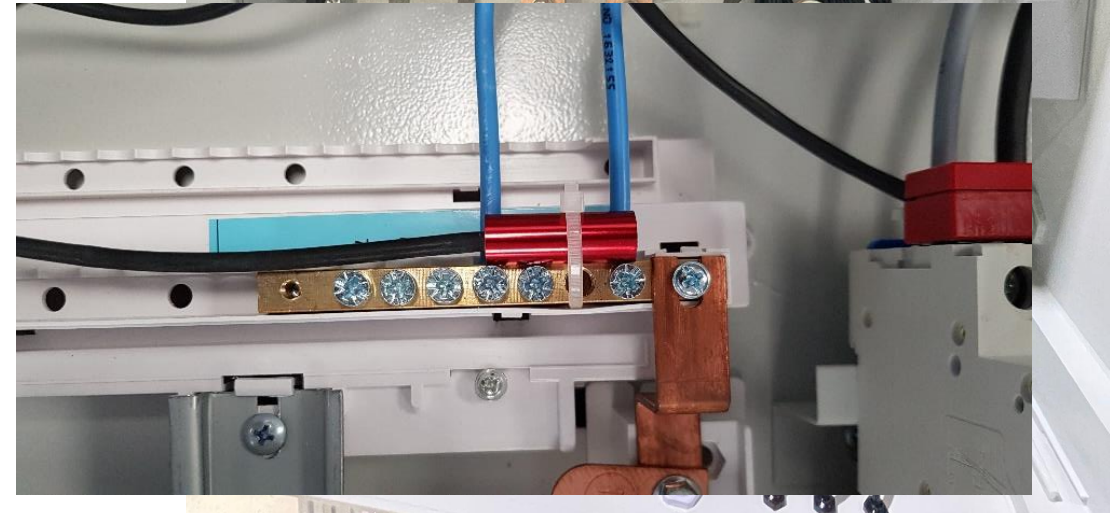
A pre-ignition solution is better than putting out a fire.



Thermarestor Installed

Thermarestor sensors can be installed in any type of switchgear.

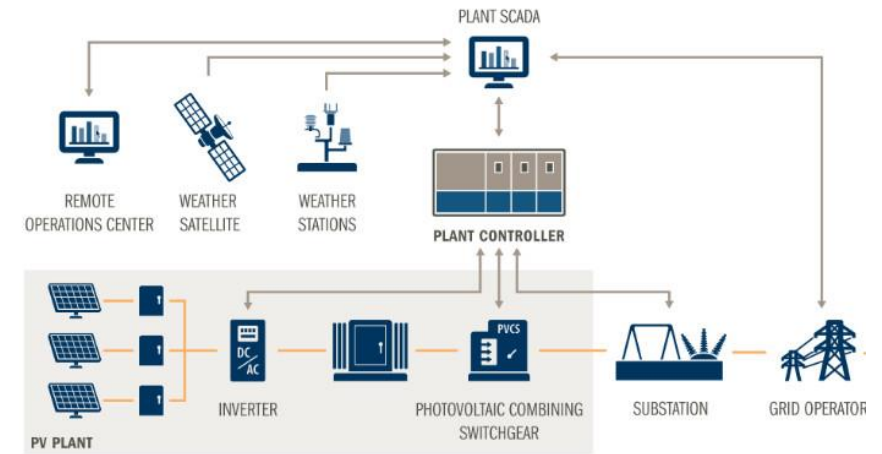
Thermarestor can be installed in new installations and as a retrofit item for existing installations.



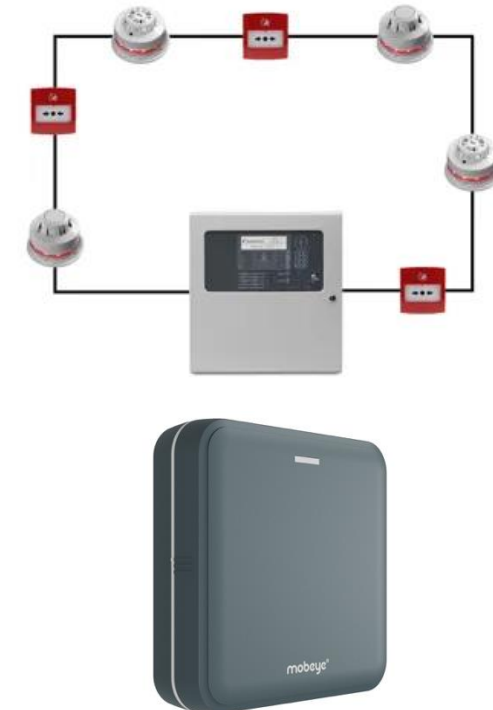
Signaling / reporting

Thermarestor sensors can be made by incorporating in a system wide, such as a Fire Alarm or SCADA system or via self contained systems using a standalone Thermarestor 4G communicator

The communicator gives higher functionality, reporting and system management.

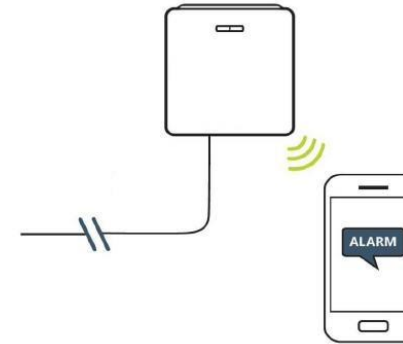


Addressable Fire Alarm System



Signaling / reporting – Phone App

The alarms are signaled by a push notification on our App.



MEB-Raizen-El Santo
Invertor 1 REF DCBI
2024-01-29 15:04

 HIGH TEMPERATURE ALERT- Thermarestor activation. Maintenance required



Confirmed by Jason Tomkins (15:05)

13:16   82%



CONFIRM

Salisbury Cathedral (UK)

Salisbury SP1 2EJ

2024-04-24 12:37

 ATTENTION REQUIRED:Thermarestor Board DBCT2



CONFIRM

ME (BR) ENEL

Rio De Janerio RJ 20220-297

2024-03-05 12:48

 Thermarestor Alarm DIST Board 1

Confirmed by Ian Appel (12:48)

Salisbury Cathedral (UK)

Salisbury SP1 2EJ

2024-02-23 14:42

 ATTENTION REQUIRED:Thermarestor Board DBCT2

Confirmed by Ian Appel (14:44)

Signaling / reporting – Cloud Platform

The Thermarestor communicator is partnered with our cloud-based portal.

The portal issues a notification of activation to a multiple number of mobiles and email addresses designated by the team.

The portal allows maintenance staff to review the status of the devices and communicators.

It allows an operators to control and monitor the notifications issued for effective maintenance management.

