

# rFPT Operation Manual

## 1 Danger and warning

For personnel and product safety please read the content of this operating manual carefully before installation.

Check the following points as soon as you receive the rFPT package:

- the packing is in good condition;
- the product has not been damaged during transit;
- the goods did not pass the expiration date;

The manufacturer shall not be held responsible for failure to comply with the instructions in this manual.

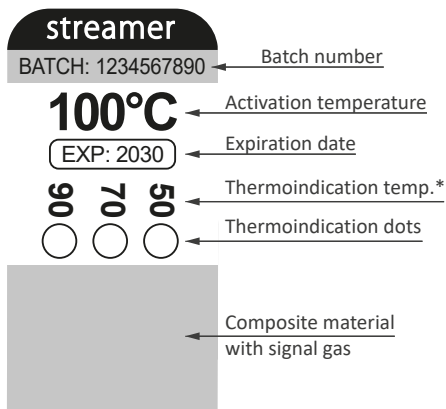
Risk of electrocution, burns or explosion:

- the device must be installed and serviced only by qualified personnel;
- prior to any work with the device, switch off the power supply. The product needs to be mounted offline;
- always use an appropriate voltage detection device to confirm the absence of voltage;

**Disclaimer: actual product appearance may vary in accordance with latest design modification, that does not anyhow influence product performance.**

## 2 Technical data

rFPTs are installed at the contact connection points, on electrical wires or some parts of electrical equipment which are potentially prone to overheating. When heated to activation temperature, a signal gas is emitted from the rFPT and is detected by Fire Prevention Alarm (FPA).



\*When the contact/cable is heated above the thermoindication temperature, the dot irreversibly changes its color to black

rFPT are available in various sizes depending on the volume of the switchgear they are used in. Products are intended to be used only together with Fire Prevention Alarm (FPA)

rFPT are nonrestorable items and shall be replaced once triggered

Acceptable temperature range for operation (-60°C to +50°C)

Validity period of rFPT is 10 years

| Size   | 0.1  | 0.3   | 1      | XL   |
|--|------|-------|--------|------|
| Length, mm                                   | 50   | 80    | 138    | 210  |
| Width, mm                                    | 20   | 20    | 20     | 35   |
| Thickness, mm                                | 1,75 | 1,75  | 1,75   | 1,75 |
| Weight, g                                    | 1,1  | 2,2   | 4,3    | 11,0 |
| Volume of electrical panel, m <sup>3</sup> * | 0,1  | 0,3   | 1      | >1** |
| Conductor cross-section, mm <sup>2</sup>     | <10  | 10-35 | 35-120 | >120 |

\*It is allowed to use rFPT larger than necessary for this volume  
\*\*depends on switchgear configuration

## 3 Installation



### 1 De-energize the object

rFPT is recommended to be installed:

- on wiring near connection points;
- on the terminal and bolted connections of the control wiring
- on electric buses in contact points;
- on terminal boxes;
- on the housing of electrical apparatus, etc.



### 2 Take and peel off thermolabel from its base

rFPT is attached in such a way that its surface is wrapped around the protected element, with gluing the final part of the sticker onto the sticker body itself (gluing it into a ring).

In order to avoid damage to rFPT, it is not allowed to press it strongly during the installation process, as well as to peel it off when being installed.

When sticking rFPT, ensure that it fits snugly to the protected element.



### 3 Wrap the thermolabel around the protected object

rFPT must be glued in such a way that the thermoindication dots are located on a visible angle.

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