

THERMAL FIRE DETECTORS (TFD)

Since 1970, **Euralarm** has represented the fire safety and electronic security industry as a **European trade association**, with the aim of defining industry standards by interfacing with the European institutions. Despite the use of **thermal imaging cameras (TFD)** to detect fire being rapidly growing, **there is still no specific European standard regulating their operation.**

At present, these cameras can only be certified as **"flame detectors"** (according to **EN 54-10**).

Recently, Euralarm has issued a document that clarifies the use of thermal cameras in certified mode.

WITH A SPECIFIC STANDARD STILL PENDING, EURALARM RECOMMENDS: CLEAR RULES FOR INSTALLATION

If the TFD are used as flame detectors, the relevant certification limits must be strictly respected (e.g. 25m maximum detection distance) and a **Declaration of Performance (DoP)** must be provided.

It is also mandatory to use a **power supply compliant with EN 54-4.**

If they are not used as flame detectors, the above-mentioned limits do not apply, but compliance with **EN 54-10 cannot be declared.**

DIRECT CONNECTION

The **fire and failure signals** of the camera **must be connected either directly** or via **EN 54-18 certified** input-output modules to the **fire control panel (CIE).**

COMPLIANCE WITH NATIONAL RULES

The rules and regulations of the respective country must be adhered to.

[Consult the paper](#)

Within its wide range, Tecnofire offers **radiometric thermal cameras, certified to EN 54-10 and VdS**, permitting the industry professionals to always respond to the market needs with the right solution.