
**Safety and control devices for gas
burners and gas-burning appliances —
Particular requirements —**

**Part 8:
Multifunctional controls**

**AMENDMENT 1: Overheating safety
devices**

*Dispositifs de commande et de sécurité pour les brûleurs et les
appareils à gaz — Exigences particulières —*

Partie 8: Equipements multifonctionnels

AMENDEMENT 1: Dispositifs de sécurité contre les surchauffes

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Safety and control devices for gas burners and gas-burning appliances — Particular requirements —

Part 8: Multifunctional controls

AMENDMENT 1: Overheating safety devices

Clause 1, Scope

Add the following paragraph after the last paragraph:

This part of ISO 23551 is also applicable to:

- water operated gas valves (see Annex AA); and
- OSDs according to Annex BB.

Clause 3

Add the following entries:

3.104

overheating safety device

OSD

temperature-sensing device which is intended to keep temperature below one particular value during abnormal operating conditions of the appliance and which has no provision for setting by the end user

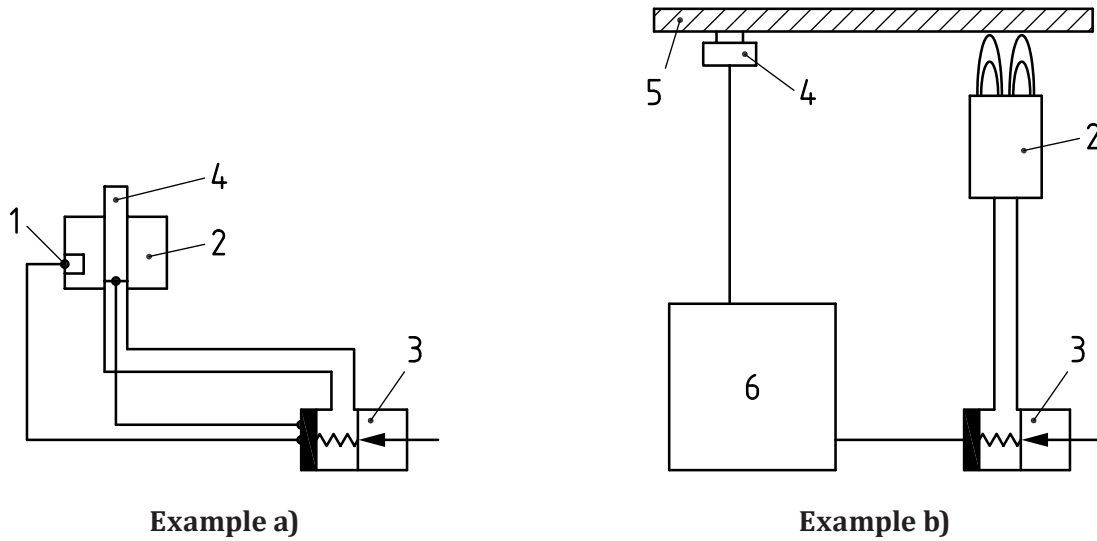
Note 1 to entry: These devices usually use a thermistor or a bimetal sensing part (element).

3.105

sensing part

part of the OSD which is intended to be exposed to the influences of the activating quantity to which the automatic action of a sensing control responds

Note 1 to entry: Examples of OSDs are shown in Figure 1.



Key

- | | | | |
|---|---|---|--|
| 1 | thermo-electric flame supervision control | 4 | sensor |
| 2 | burner | 5 | object to be measured (heated by burner) |
| 3 | gas shut-off valve | 6 | burner control unit |

Figure 1 — Examples of OSDs

3.106 overheating temperature

temperature at which the OSD functions to turn off the gas supply to the burner during abnormal operating conditions of the appliance

3.107 thermistor

thermally sensitive semiconductor resistor, which shows over at least part of its resistance/temperature (R/T) characteristic a significant non-linear change in its electrical resistance with a change in temperature

[SOURCE: IEC 60730-1:2013, J.2.15.1]

3.108 bimetal

object that is composed of two separate metals joined together

6.102.1

Add the following item at the end of the list:

- OSDs (see Annex BB).

Annex BB

Add new Annex BB after Annex AA as follows: