

ISO 7240-10:2007-02 (E)

Fire detection and alarm systems - Part 10: Point-type flame detectors

Contents

Page

Foreword	iv
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 General requirements	3
4.1 Compliance	3
4.2 Classification	3
4.3 Individual alarm indication	3
4.4 Connection of ancillary devices	3
4.5 Monitoring of detachable detectors	3
4.6 Manufacturer's adjustments	3
4.7 On-site sensitivity adjustment	4
4.8 Marking	4
4.9 Data	5
4.10 Requirements for software-controlled detectors	5
5 Tests	6
5.1 General	6
5.2 Reproducibility	9
5.3 Repeatability	10
5.4 Directional dependence	10
5.5 Fire sensitivity	11
5.6 Dazzling (operational)	14
5.7 Dry heat (operational)	15
5.8 Cold (operational)	16
5.9 Damp heat, cyclic (operational)	17
5.10 Damp heat, steady state (endurance)	18
5.11 Sulfur dioxide (SO ₂) corrosion (endurance)	18
5.12 Shock (operational)	19
5.13 Impact (operational)	20
5.14 Vibration, sinusoidal (operational)	21
5.15 Vibration, sinusoidal (endurance)	22
5.16 Variation of supply parameters (operational)	23
5.17 Electromagnetic compatibility (EMC) immunity tests (operational)	24
6 Test report	24
Annex A (normative) Marine test requirements	25
Annex B (normative) Apparatus for response point determination	42
Annex C (normative) Liquid (heptane) fire (TF5)	44
Annex D (normative) Liquid (methylated spirit) fire (TF6)	45
Annex E (normative) Apparatus for dazzling test	46
Annex F (normative) Apparatus for impact test	47
Annex G (informative) Example of methane burner	49