

## 4.12. Other Fire Detectors

**4.12.1.** The Design, Installation and Spacing of Other Fire Detectors shall comply with **Table 8.12.**, and the relevant General Requirements Fire Detection and Alarm System as per **Table 8.1.**

**Table 8.12.: Design, Installation and Spacing of Other Fire Detectors**

ITEMS	REQUIREMENTS
<b>1. MULTI SENSORS</b>	i. Because of the device-specific, software-driven solution of multi-criteria detectors to reduce unwanted alarms and improve detector response to a non-specific fire source, location and spacing criteria included with manufacturer's guidelines and listed design manual shall be followed.
<b>2. GAS DETECTORS</b>	i. Gas detection (Other than LP Gas detection) shall be designed and installed as per manufacturer's listed design guidelines. ii. LP Gas detection and Alarm system shall be as per <b>Chapter 11. Fire Safety Guidelines for Liquefied Petroleum Gas Installations.</b> iii. Gas detection equipment shall be listed for the specific gas or vapor it is intended to detect. iv. Any gas detection systems installed on a fire alarm system shall comply with all the applicable requirements of this Code. v. The requirements of this Code shall not apply to gas detection systems used solely for process control. vi. The selection and placement of the gas detectors shall be based on an engineering evaluation.
<b>3. VIDEO IMAGE FIRE DETECTORS</b>	i. Video image Fire detection systems and all of the components thereof, including hardware and software, shall be listed for the purpose of Fire detection. ii. Systems shall be designed in accordance with a performance-based design approach.