

## Detection Devices

The detection device is a heat sensitive, normally closed, electrical switch which operates at a fixed temperature. It is rate compensating and has automatic recycling. The device is a component of on-off multicycle sprinkler systems.

### Detect-A-Fire Detection Device

Detect-A-Fire Detection Device. Series 27020, 27120, 28020. These devices are self-restoring heat-actuated switches. Rate-compensated operation reduces thermal lag. Series 27020, 27120, 28020 have normally closed contacts rated at 5 A at 125 V, 60 Hz, 0.5 A at 125 V dc; these are suitable for installation where a fire signal, caused by a break in detection circuit wiring, is permitted. Specific models are listed below.

Models 27020-0 and 27020-1 are for horizontal mounting. Operating temperature available at 140°, 160°, 190°, 225°, 275° or 325°F (60°, 71°, 88°, 107°, 135° or 163° C). Model 27020-0 is for horizontal flush mounting for concealed wiring. Model 27020-1 is limited to 30 V ac or dc when used with exposed wiring.

Model 28020-3 is suitable for Class I, Divisions 1 and 2, Groups A, B, C and D and Class II, Divisions 1 and 2, Groups E, F and G hazardous locations when installed according to the National Electrical Code®. Operating temperatures available at 140°, 160°, 190°, 210°, 225°, 275°, 325°, 360°, 450°, 500°, 600° or 725°F (60°, 71°, 88°, 99°, 107°, 135°, 163°, 182°, 232°, 260°, 316° or 385°C).

Models 27120-0 and 27120-22 with temperature settings of 140°, 160°, 190° and 225°F (60°, 71°, 88° and 107°C) are suitable for outdoor use (NEMA 3 rating) when mounted on Killark outlet box VLJX-1, cover VJH-1 and gasket VBNB.

Spacing guide for all types: 25 by 25 ft (8 by 8 m) max.

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