



Model CR 135-2CO MP, CR 165-2CO MP and CR 200-2CO MP

Description: Heat Detector, Moisture-proof , Combination Rate-of-Rise and Fixed Temperature, 135 ° F, 165°F and 200°F respectively. Detector has 2 sets contacts; Normally Open (N/O)and Normally Closed (N/C).

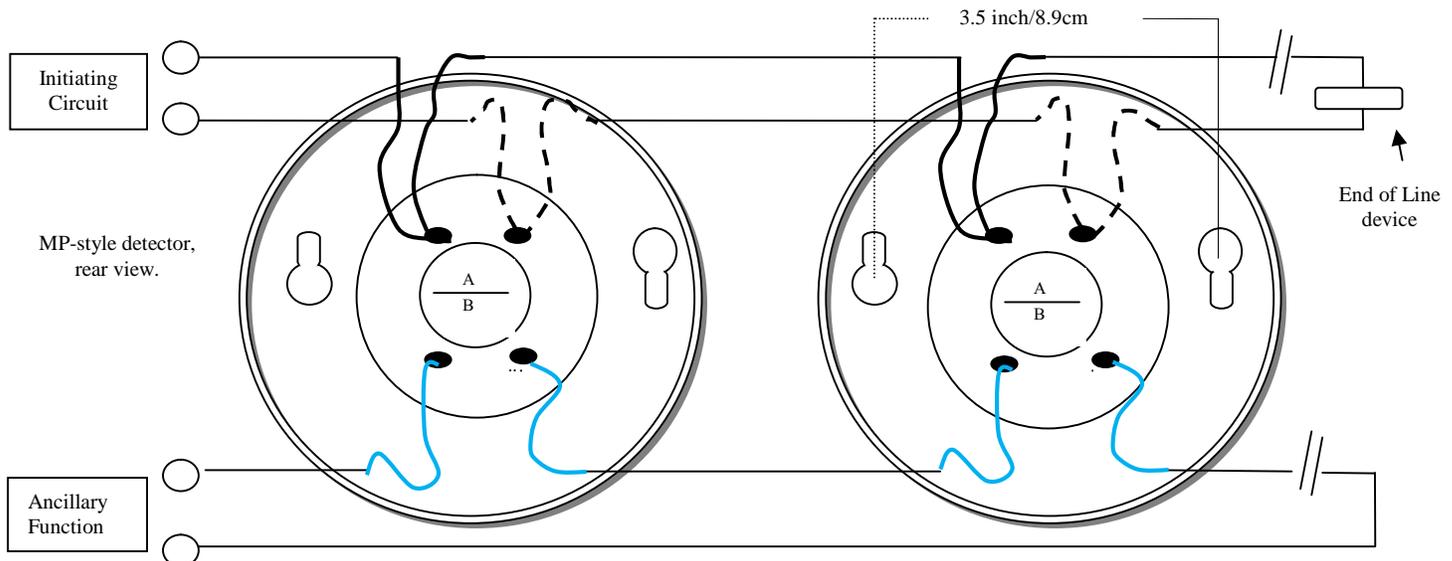
These detectors are *combination* Rate-of-Rise and Fixed Temperature,(sometimes referred to as “Dual Action”), incorporating wire leads that are connected to the two (2) internal sets of contacts, and a seal plate to prevent moisture from damaging the unit. Both sets of the contacts will operate when the ceiling temperature **increases** at a (minimum) **rate** of 8.4 Celsius degrees (15 F°) per minute. The N/O contacts will close, initiating the fire alarm sequence. At the same time, N/C contacts will open which can operate an ancillary function. If the detector operates on its Rate-of-Rise only, the detector will reset as it cools.

The fixed temperature portion consists of a non-restorable, spring-loaded plunger retained by a fusible alloy that releases when the ceiling temperature reaches 57° C, (135° F) or 71°C (165°F) or 93°C (200°F). When released, the plunger strikes the contacts and permanently holds the N/O set closed and the N/C set open.

Contact Rating: 3A @ 125 VAC, 1A @ 28 VDC, 0.3A @ 125 VDC, 0.1 A @ 250 VDC

Model #	Release Temp. F	Release Temp. C	Color dot on fin	Spacing between detectors*
CR 135-2CO MP	135	57	None	70ft/12m
CR 165-2CO MP	165	71	Grey	70ft/12m
CR 200 -2CO MP	200	93	White	70ft/12m

* assuming a flat, uninterrupted ceiling not exceeding 10ft/3m in height.



Notes to the Installer

1. This detector incorporates two (2) sets of wire leads labeled Circuit A and Circuit B.
2. Circuit A connects onto the Fire Alarm initiating circuit. The white leads (shown as dashed lines) are connected to one side of the Normally Open contacts, the black leads are connected to the other side of the contacts. The set of N/C contacts labeled Circuit B (blue wires) are used to initiate an ancillary function, typically by turning something off.
3. The rate-of-rise function may be tested by heating the unit with a controlled heat source such as a hair dryer held at a distance of 20 to 30 cm. for a period of 10 to 20 seconds. When the detector operates, either on its rate-of-rise (which will restore when the detector cools), or if the detector operates because the fusible link has released (this means that the detector cannot be restored), then the detector will go into the alarm mode closing circuit A and opening Circuit B.
4. Open flame devices should not be used to test the detector as the fusible link might operate causing permanent contact closure.