

DESCRIPTION

The FCI Series 500 is a dual-action heat detector using two independent methods of detection.

The rate-of-rise feature detects fires that grow rapidly in intensity by responding when the rate of temperature rise exceeds 15° F (9° C) per minute.

The fixed temperature element is independent of rate-of-rise. It consists of a phosphor-bronze spring held under tension by a spot of fusible eutectic alloy which melts when heated to its rated temperature, releasing the spring and closing the contacts.

The different models are marked with unique paint schemes in the center of the dome.

The contacts are normally open, SPST, and rated 1.0 amp @ 6-24 volts DC.

The detector is 3 3/16" diameter by 2 3/16" high, (8.1 x 5.6 cm) and is surface mounted. It can be mounted on a 3 or 4-inch electrical box when used with a model AR5 adapter plate.

The units are available in explosion-proof and combined weather and moisture-proof versions. The explosion-proof models are UL Listed and FM Approved for Class I, Groups C and D, and Class II, Groups E, F and G.



FEATURES

- **Dual Action - Uses Two, Independent Methods of Detection**
- **Self-restoring Rate-Of-Rise Feature**
- **Simple Visual Indication When Damaged by High Heat**
- **Explosion-Proof Models Available**
- **Weather-Proof Models Available**

APPROVALS

UL	Std 521
Factory Mutual	Approved
CSFM	Approved
NYC	BS&A 6-87-SA

ORDERING INFORMATION

Part No.	Model	Description	Spacing	Marking
115-1212B	501	Combination rate-of-rise & fixed temp. detector, 136° F (58° C)	50 x 50 ft (UL) 30 x 30 ft (FM)	None
115-1312B	502	Combination rate-of-rise & fixed temp. detector, 190° F (88° C)	50 x 50 ft (UL) 30 x 30 ft (FM)	White dot
114-1216B	503	Fixed temperature only, 136° F (58° C)	15 x 15 ft (UL/FM)	Black dot
114-1316B	504	Fixed temperature only, 190° F (88° C)	15 x 15 ft (UL/FM)	Black dot on wht
115-3212B	EPB-501	Explosion-proof version of 501	As above	As above
115-3312B	EPB-502	Explosion-proof version of 502	As above	As above
114-3216B	EPB-503	Explosion-proof version of 503	As above	As above
114-3316B	EPB-504	Explosion-proof version of 504	As above	As above
115-5212B	MPB-501	Weather/moisture-proof version of 501	As above	As above
115-5312B	MPB-502	Weather/moisture-proof version of 502	As above	As above
115-6216B	MPB-503	Weather/moisture-proof version of 503	As above	As above
115-6316B	MPB-504	Weather/moisture-proof version of 504	As above	As above
119-10040	AR5	Adapter plate for mounting on 3" or 4" (7.62 or 10.16 cm) junction box		

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