

rate-of-rise and fixed temperature thermostats

Thermostats are used to detect the presence of excessive heat and are therefore slower to react to fires than smoke detectors. Generally used in addition to smoke detectors in fire alarm systems, thermostats are not a substitute for smoke detectors. In residential applications, thermostats are usually ceiling mounted in each room, garage, attic, boiler room, storage area, etc. Use this chart to select the Thermostat which is correct for your application.

Thermostat Selection Chart						
Model No.	O.C. - Open Circuit C.C. - Closed Circuit	Listing	Rate-of-Rise Feature	Fixed Temp. Setting	Area Covered Sq.(ft)	Comments
501	O.C.	UL, FM, CFM	Yes	135 F.	2500	
501A	O.C.	UL, FM, CFM	Yes	190 F.	2500	
502	O.C.	UL	No	135 F.	400	
503	C.C.	—	No	135 F.	400	
504	O.C.	UL	No	190 F.	400	
505	C.C.	—	No	190 F.	400	
601	O.C.	UL, FM, CFM	Yes	135 F.	2500	Slim profile supplied with reversible mounting ring.
601A	O.C.	UL, FM, CFM	Yes	200 F.	2500	"

The No. 501 and No. 501A Combination Rate-of-Rise/Fixed Temperature Thermostats are UL Listed for protecting spaces of 50' x 50' (or 2500 square feet) —and FM approved for protecting spaces of 30' x 30' (900 square feet). They will initiate an alarm signal when a fixed temperature is reached: 135° for the No. 501, 190° for the No. 501A. In addition, since many fires grow rapidly in intensity, resulting in fast rising temperatures, the No. 501 and No. 501A are designed to sense and respond to any increase in temperature which is abnormally fast.

Rate-of-Rise Thermostats should not be tested with a match since this will necessitate replacing the unit. When tripped by rapid temperature increases, these thermostats will reset themselves as long as the fixed setting has not been reached.

The Nos. 502, 503, 504 and 505 Thermostats are compact and attractive. The streamlined design is extremely effi-

cient, resulting in fast response to fire. The four terminals provided on each thermostat make parallel wiring simple since no more than one wire is fastened to any terminal post. The gold flashed electrical contacts are completely enclosed, preventing malfunction from dust and moisture in the air. The 135° thermostats are ideal for normal room use. Use the 190° thermostats where ambient temperatures exceed 100°F, such as in attics, boiler rooms and hot kitchens.

Note: The No. 503 and No. 505 Thermostats are "normally closed" and are recommended only for special circuits. To use thermostats on burglar alarm systems, we recommend No. 502 and No. 504 thermostats wired across the protective circuit to provide a closure upon activation.

How To Order

No. 501 Thermostat. 135° open contact, U.L. Listed.

No. 501A Thermostat. 190° open con-

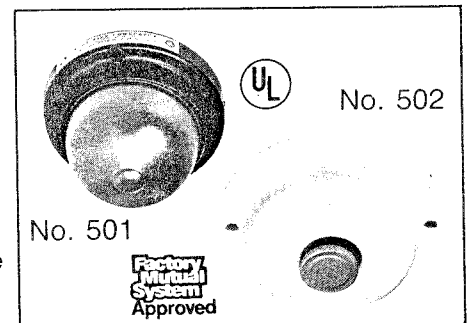
that the fixed temperature element has operated.

The detector attaches to the mounting plate with a simple push and twist motion. It can be detached with the same motion in reverse.

The mounting plate is molded of white self-extinguishing thermoplastic, rated at 105°C. It is extremely strong, yet resilient enough to adapt to uneven mounting surfaces.

How To Order

No. 601 Rate-of-Rise and Fixed Temperature Thermostat. 135°F. U.L. Listed



tact, U.L. Listed.

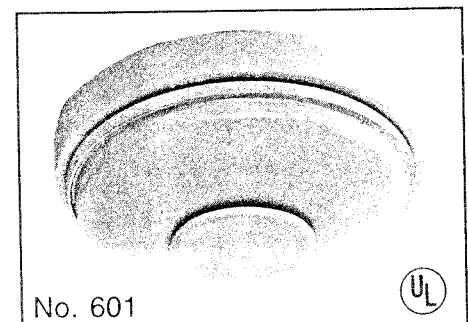
The following "fixed temperature" thermostats are recommended for residential or commercial use. Underwriters' Laboratories permits spacing of 20' x 20' giving area coverage of 400 sq. ft. per thermostat.

No. 502 Thermostat. 135° open contact, U.L. Listed.

No. 504 Thermostat. 190° open circuit, U.L. Listed.

No. 503 Thermostat. 135° closed circuit.

No. 505 Thermostat. 190° closed circuit.



for 50' x 50' spacing. White.
No. 601A Rate-of-Rise and Fixed Temperature Thermostat. 200°F. U.L. Listed for 50' x 50' spacing. White.