



You in Control

MSR-50R SERIES

ADVANCED REMOTE ACCESSORIES

PRODUCT DESCRIPTION

The MSR-50R Series remote accessories are designed for use with Air Products and Controls duct smoke detectors to provide the range of functionality required by your local commercial application.

The MSR-50R Series comes in two models of the controller: the **MSR-50RM** which provides a hidden magnet test switch and a pushbutton reset; the **MSR-50RK** provides a key-operated detector test and reset function. Both versions of the MSR-50R accessory are available as either a single gang remote indicator/control, or with the addition of a single gang strobe only or enhanced sounder / LED strobe assembly. As controller-only or with the added strobe only or sounder / strobe, all configurations are compatible with standard Decora style cover plates (choice of white, red or stainless steel).



MSR-50RM/R & MSR-50RK/R

The MSR-50R Series indicator/control assemblies provide:

- Tri-color visual indication of detector Pilot, Trouble and Alarm conditions
- Lever-operated quick-connect “No-Tools” four-position terminal block
- Port for plugging in the optional strobe assembly
- Key-operated detector Test and Reset functions (MSR-50RK model only)
- Magnet-operated detector Test function (MSR-50RM model only)
- Pushbutton-operated detector reset function (MSR-50RM model only)

STROBE or SOUNDER / STROBE CONNECTION

The strobe assembly provides visual only indication; the sounder strobe assembly provides audible indication as well as visual indication of alarm conditions. Either option is connected to the indicator/control assembly via a provided polarized connector (shown right).

To install the strobe or sounder/strobe module, simply follow the strobe assembly instructions then plug the provided connector onto the pins as indicated on the rear of the indicator/control module.

For convenience, blue “SMOKE” and red “FIRE” strobe lens decals are included for both horizontal and vertical mounting.

NOTE: The strobe and audible buzzer features are *not* ADA compliant, and *not* intended for life safety notification or evacuation purposes (public mode). These functions are for duct smoke detector status indication only (private mode).

WIRING

For appropriate duct detector wiring terminals, please refer to detector and MSR-50R Series installation instructions.



Strobe connection is clearly labeled for quick, simple installation.



CSFM LISTED

MEA ACCEPTED



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GROUP
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PRODUCT SPECIFICATIONS

X* = Replace X* with W for White Cover Plate; R for Red Cover Plate; S for Stainless Steel Cover Plate

MSR-50RM Series Remote Accessory Controllers (magnet test switch, pushbutton reset & visual pilot, trouble, alarm functions)

MSR-50RM/X* Remote Control Assembly w/ Single Gang Cover Plate

MSR-50RMS Series Remote Accessory Controllers with Second Gang Strobe

MSR-50RMS/X*/C MSR-50RM Control w/ Strobe Assembly (Clear Lens); Double Gang Cover Plate

MSR-50RMS/X*/O MSR-50RM Control w/ Strobe Assembly (Opaque Lens); Double Gang Cover Plate

MSR-50RMA Series Remote Accessory Controllers with Second Gang Audible Indicator

MSR-50RMA/X* MSR-50RM Control w/ Sounder Assembly; Double Gang Cover Plate

MSR-50MAV Series Remote Accessory Controllers with Second Gang Audible Indicator and LED Strobe

MSR-50MAV/X*/C MSR-50RM Control w/ Sounder / Strobe Assembly (Clear Lens); Double Gang Plate

MSR-50MAV/X*/O MSR-50RM Control w/ Sounder / Strobe Assembly (Opaque Lens); Double Gang Plate

MSR-50RK Series Remote Accessory Controllers (key-operated detector test & reset with visual pilot, trouble, alarm functions)

MSR-50RK/X* Remote Indicator/Control Assembly w/ Single Gang Cover Plate

MSR-50RKS Series Remote Accessory Controllers with Second Gang Strobe

MSR-50RKS/X*/C MSR-50RK Control w/ Strobe Assembly (Clear Lens); Double Gang Cover Plate

MSR-50RKS/X*/O MSR-50RK Control w/ Strobe Assembly (Opaque Lens); Double Gang Cover Plate

MSR-50RA Series Remote Accessory Controllers with Second Gang Audible Indicator

MSR-50RA/X* MSR-50RK Control w/ Sounder Assembly; Double Gang Cover Plate

MSR-50RKAV Series Remote Accessory Controllers with Second Gang Audible Indicator and LED Strobe

MSR-50RKAV/X*/C MSR-50RK Control w/ Sounder/ Strobe Assembly (Clear Lens); Double Gang Cover Plate

MSR-50RKAV/X*/O MSR-50RK Control w/ Sounder / Strobe Assembly (Opaque Lens); Double Gang Cover Plate

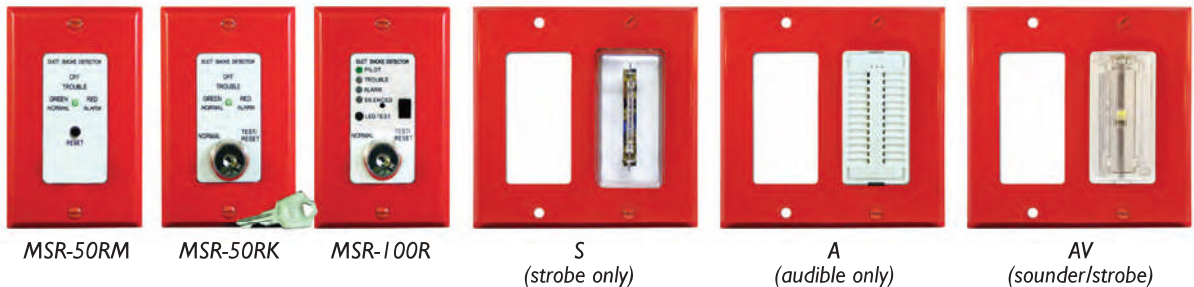
POWER REQUIREMENTS:	MSR-50R			
	Standby:	06mA		
	Detector Alarm:	22mA	Remote Alarm Test:	37mA
	Detector Alarm w/ Sounder:	57mA	Remote Alarm w/Sounder:	72mA
	Detector Alarm w/ Sounder & Strobe:	92mA	Remote Alarm w/ Sounder & Strobe:	107mA

SOUND PRESSURE:	Models with enhanced Audible Indicator only; UL Adjusted: 69db @ 10 ft (high); 54db @ 10 ft (low) Reveberant Room: 87db @ 10 ft (high); 83db @ 10 ft (low)
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DIMENSIONS:	Single Gang Plate: 4½" (114.3mm)H x 2¾" (69.85mm)W Double Gang Plate: 4½" (114.3mm)H x 4½" (114.3mm)W
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WIRING:	14-28AWG, Solid or Stranded
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APPROVALS:	UL Listed for use with Air Products and Controls duct smoke detectors including all HS- Series, SM- Series, SL- Series and RT- Series duct smoke detectors UL S7425 (UL268-URRQ) / CSFM 7300-1004:119 / MEA 73-92-EVol. 39 Listed as APC MSR-50RMS (strobe); MSR-50RMA (sounder), MSR-50MSA (enhanced sounder/LED strobe)
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NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The products described have specific instructional/installation documentation, which covers various technical, approval, code, limitation and liability information. Copies of this documentation along with any general product warning and limitation documents, which also contain important information, are provided with the product and are also available from Air Products and Controls Inc. The information contained in all of these documents should be considered before specifying or using the products. Any example applications shown are subject to the most current enforced local/national codes, standards, approvals, certifications, and/or the authority having jurisdiction. All of these resources, as well as the specific manufacturer of any shown or mentioned related equipment, should be consulted prior to any implementation. For further information or assistance concerning the products, contact Air Products and Controls Inc. Air Products and Controls Inc. reserves the right to change any and all documentation without notice.