



*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.



*Strobe connection is clearly labeled for quick, simple installation.*

**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.



**CSFM LISTED**

**MEA ACCEPTED**



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# PRODUCT SPECIFICATIONS

## MSR Series Part Numbering Matrix

### Pick a Control

**MSR-50RM** Hidden Magnet Test and Push Button Reset with Pilot, Trouble and Alarm LED Visual Indication

**MSR-50RK** Key Switch Test and Reset with Pilot, Trouble and Alarm LED Visual Indication

### Add to Make a Combo, Or Skip to Selecting a Plate Color (AV, A and V combinations are double gang)

**/AV** Add **Audio Visual** Combination

**/A** Add Enhanced **Audio** Sounder only

**/V** Add **Visual** Strobe only

### Add Choice of Decora-Style Plate

**/R** **Red.** Single gang for controller-only models, double gang for upgrades/combos

**/W** **White.** Single gang for controller-only models, double gang for upgrades/combos

**/S** **Stainless Steel.** Single gang for controller-only, double gang for upgrades/combos

### If a Visual Indication Strobe was Added, Select a Lens Finish

**/C** **Clear**

**/O** **Opaque**

### Add-ons and Replacement Parts

May only be added to MSR-50 or MSR-100 Controller, will not operate as "stand alone."

**MSR-AV** Adds **Audio Visual** Combination

**MSR-A** Adds Enhanced **Audio** Sounder only

**MSR-V** Adds **Visual** Strobe only

### Add Choice of Decora-Style Plate

**/R** **Red.** Double gang.

**/W** **White.** Double gang.

**/S** **Stainless Steel.** Double Gang.

### If a Visual Indication Strobe was Added, Select a Lens Finish

**/C** **Clear**

**/O** **Opaque**

**MSR-V-PLUGIN** Strobe subassembly only, no hardware

**/C** **Clear**

**/O** **Opaque**

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)  
Reverberant Room: 87db @ 10 ft (high); 83db @ 10 ft (low)

**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

**WIRING:** 14-28AWG, Solid or Stranded

**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)



**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 Apollo America. 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 Apollo America. Apollo America reserves the right to change any and all documentation without notice.