AIR PRODUCTS AND CONTROLS

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).

Strobe connection is clearly labeled for quick, simple installation.

WIRING

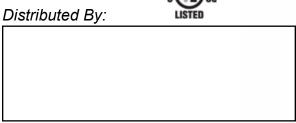For appropriate duct detector wiring terminals, please refer to detector and MSR-50R Series installation instructions.

CSFM LISTED   **MEA** ACCEPTED   **SIGNALING** c(UL)us **LISTED**

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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)
Reveberant 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-E Vol. 39
Listed as APC MSR-50RMS (strobe); MSR-50RMA (sounder), MSR-50MSA (enhanced sounder/LED strobe)

MSR-50RM   MSR-50RK   MSR-100R   MSR-A   MSR-V; MSR-AV   MSR-V-PLUGIN