

DATA SHEET

REMOTE ACCESSORIES/ TESTING STATIONS

MSR-50 SERIES



PRODUCT SPECIFICATIONS:



ALSO AVAILABLE IN RED PLATES

MODEL NUMBERS

AMBIENT TEMPERATURE:

WIRING:

DIMENSIONS:

APPROVALS:

See table below

0°C to 49°C (32F to 120F)

LEDs/Horn 6" 24AWG Pigtails

Single Gang: 4½" (114.3mm)H x 2¾" (69.85mm)W

Double Gang: 4½" (114.3mm)H x 4½" (114.3mm)W

UL Listed for use with Air Products & Controls duct smoke detectors including SM- Series and SL- Series duct smoke detectors

UL URRQ.S7425, CSFM 7300-1004:107, MEA 3-92-E Vol.25

POWER REQUIREMENTS:

MSR-50RM

Standby: 08mA

Detector Alarm: 25mA

Remote Alarm Test with Magnet: 37mA

Detector Alarm w/Horn: 45mA

Detector Alarm w/Horn & Strobe: 85mA

Remote Alarm w/Horn & Strobe: 85mA

MSR-50RK

Standby: 08mA

Alarm: 25mA

Alarm w/Horn: 45mA

Alarm w/Horn & Strobe: 85mA

MSR-AV

Standby current: 0.8 mA

Alarm current: 72 mA

Alarm db: 68 db @10 ft (high); 53 db @ 10 ft (low)

Alarm candela: 2.0 on axis

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.

MSR-50 SERIES

Part number	Description	Key	Test/ reset Button (w/magnet)	LED (Red=Alarm, Green= Pilot, Off=Trouble)	Horn	Strobe	White Plate	Red Plate	Size
MSR-50RK/R	Remote Control Assembly w/ Single Gang Cover Plate, Red	X		X				X	4x2
MSR-50RK/W	Remote Control Assembly w/ Single Gang Cover Plate, White	X		X			X		4x2
MSR-50RKA/R	Remote Control w/ Sounder Assembly, Red Double Gang Plate	X		X	X			X	4x4
MSR-50RKA/W	Remote w/ Sounder Assembly, White Double Gang Plate	X		X	X		X		4x4
MSR-50RKAV/R/C	Remote Control w/ Strobe & Sounder, Clear Lens, Red Double Gang Plate	X		X	X	X		X	4x4
MSR-50RKAV/W/C	Remote Control w/ Strobe & Sounder, Clear Lens, White Double Gang Plate	X		X	X	X	X		4x4
MSR-50RM/R	Remote Control Assembly w/ Single Gang Cover Plate, Red		X	X				X	4x2
MSR-50RM/W	Remote Control Assembly w/ Single Gang Cover Plate, White		X	X			X		4x2

DATA SHEET

REMOTE ACCESSORIES/ TESTING STATIONS

MSR-100 SERIES



PRODUCT SPECIFICATIONS:



ALSO AVAILABLE IN RED PLATES

MODEL NUMBERS

POWER REQUIREMENTS:

AMBIENT TEMPERATURE:

WIRING:

DIMENSIONS:

APPROVALS:

See table on last page

Alarm LED: 13mA @ 24VDC

0°C to 49°C (32°F to 120°F)

14-28AWG, Solid or Stranded

Single Gang: 4½" (114.3mm)H x 2¾" (69.85mm)W

Double Gang: 4½" (114.3mm)H x 4¾" (114.3mm)W

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)

POWER REQUIREMENTS:

Standby: 18mA

Alarm: 45mA

Trouble with Buzzer: 23mA

Trouble Silenced: 23mA

Trouble without horn: 24mA

Alarm w/Horn: 62mA

Alarm Silenced w/Horn: 42mA

Alarm w/Horn & Strobe: 101mA

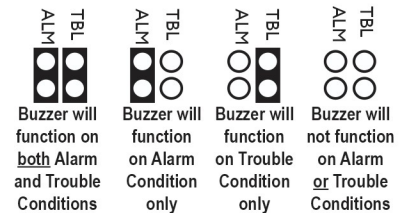
Alarm w/Horn & Strobe: 100mA

Lamp Test w/Horn: 60 mA

Lamp Test w/Horn Silenced: 50 mA

AUDIBLE BUZZER CONFIGURATION

There are two jumpers located on the rear of the indicator/control assembly. To enable audible buzzer operation for Alarm or Trouble conditions, simply leave the jumpers in place. To disable either or both functions, remove the appropriate jumper(s).



SILENCE AND RINGBACK FUNCTIONS

On the occasion where an audible alarm or trouble condition needs to be silenced while the detector condition is inspected and remedied, the indicator/control module provides a silence

function. The slide switch located on the front of the module is pushed UP to activate the silence function.

Upon correction of the notified condition, the silenced buzzer will resume sounding. The ringback feature serves as a reminder to reset the silence switch to the "normal", DOWN position.

Note that the second-gang sounder (or sounder with strobe) module has a second independent buzzer that when installed will not stop operating when the silence function is engaged. The silence function is limited to the buzzer inside the single-gang MSR-100R unit.



Normal
"Standby"
Mode



Silenced
Mode

MSR-100 SERIES

Part number	Description	Key	Built In Buzzer	LED (Red=Alarm, Green= Pilot, Yellow=Trouble)	Horn	Strobe	White Plate	Red Plate	Size
MSR-100R/R	Remote Control Assembly w/ Single Gang Cover Plate, Red	X	X	X				X	2x4
MSR-100R/W	Remote Control Assembly w/ Single Gang Cover Plate, White	X	X	X			X		2x4
MSR-100RA/W	Remote Control w/ Sounder Assembly, White Double Gang Plate	X	X	X	X		X		4x4
MSR-100RAV/R/C	Control w/ Strobe & Sounder, Clear Lens, Red Double Gang Cover Plate	X	X	X	X	X		X	4x4
MSR-100RAV/W/C	Remote Control w/ Strobe & Sounder, Clear Lens, White Double Gang Cover Plate	X	X	X	X	X	X		4x4
MSR-100RV/R/C	Remote Control Assembly w/ Double Gang Cover Plate, Red	X	X	X		X		X	4x4
MSR-100RV/W/C	Remote Control Assembly w/ Double Gang Cover Plate, White	X	X	X		X	X		4x4

DATA SHEET

REMOTE ACCESSORIES/ TESTING STATIONS

MS SERIES



PRODUCT SPECIFICATIONS:

Remote accessories provide audible and visual indication as well as remote test/reset functions needed to complete a duct smoke detection system. All APC Series of remote accessories are designed for use with Air Products & Controls duct smoke detectors to provide the range of functionality required by your local commercial application.



MS-RA



MS-KA/R

PRODUCT SPECIFICATIONS:

MODEL NUMBERS

See table below

POWER REQUIREMENTS:

Alarm LED 15mA @ 24VDC
 Trouble LED 15mA @ 24VDC
 Pilot LED 15mA @ 24VDC
 Alarm Horn 20mA @ 24VDC

AMBIENT TEMPERATURE:

0°C to 49°C (32F to 120F)

WIRING:

LEDs/Horn 6" / 24 AWG pigtails

Switches 6" / 22 AWG pigtails

DIMENSIONS:

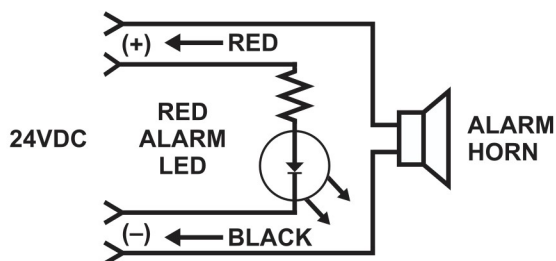
Single Gang: 4½" (114.3mm)H x 2¾" (69.85mm)W

Double Gang: 4½" (114.3mm)H x 4½" (114.3mm)W

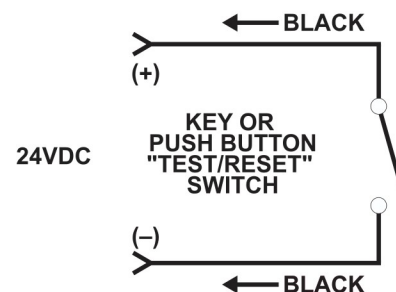
APPROVALS:

UL Listed for use with Air Products & Controls duct smoke detectors including all RW- Series, SM- Series and SL- Series duct smoke detectors UL, URRQ.S7425, CSFM 7300-1004:107, MEA 3-92-E Vol.25

EXAMPLE WIRING:



ALARM



TEST/RESET

FOR APPROPRIATE DUCT DETECTOR TERMINALS, PLEASE REFER TO DETECTORS INSTALLATION INSTRUCTION.

MS SERIES

Part number	Description	Key	Alarm LED (red)	Brushed Silver Plate	Size
MS-RA	Remote Control With Alarm Red Led Indicator, Single Gang, Stainless Steel		x	x	2 3/4" x 4 1/2"
MS-KA/R	Remote Control With Red Alarm Led & Key Test Reset	x	x	x	2 3/4" x 4 1/2"

DATA SHEET

SINGLE GANG AUDIO-VISUAL NOTIFICATION

MSR-AV/T



PRODUCT SPECIFICATIONS:

AMBIENT TEMPERATURE:	0°C to 49°C (32F to 120F)
WIRING:	14-28AWG, Solid or Stranded
DIMENSIONS:	4½" (114.3mm)H x 2¾" (69.85mm)W
APPROVALS:	UL S7425 (UL268-URRQ) / CSFM 7300-1004:119 Listed as APC MSR-50S/T (strobe); MSR-50A/T (sounder); MSR-50SA/T (combination strobe/sounder)



MSR-AV/T/W/C



MSR-AV/T/R/C

MECHANICAL SPECIFICATIONS:

Standby current: 0.8 mA
 Alarm current: 72 mA
 Alarm db: 68 db @10 ft (high); 53 db @ 10 ft (low)
 Alarm candela: 2.0 on axis

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.

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MSR-V-Plugin



Polarized Terminal Block

