



You in Control

MSR-100 SERIES

ADVANCED REMOTE ACCESSORIES

PRODUCT DESCRIPTION

The MSR Series remote accessories are designed to be used with Air Products and Controls duct smoke detectors to provide the most complete functionality ever available in such a device.

The remote accessory is available with either the single gang remote indicator/control (MSR-100R Products), or with the addition of a single gang strobe assembly (MSR-100RS Products). Both versions are compatible with standard Decora style cover plates (choice of white, red or stainless steel). A strobe-only version (MSR-100S Products) is available for retrofit upgrade of "controller only" installations.

The indicator/control assembly provides:

- Visual indication of detector Pilot, Trouble and Alarm Functions
- Selectable audible indication of Alarm, Trouble or both
- Buzzer Silence function, with silenced indication and "ringback" following condition correction
- Lamp/Buzzer test function
- Key-Operated detector Test and Reset functions
- Lever-operated "No-Tools" terminal block
- Port for plugging in the optional strobe assembly
- Black "DUCT SMOKE DETECTOR" decal included for front plate
- Blue "SMOKE", red "FIRE" strobe lens decals included for both horizontal and vertical mounting



MSR-100R/W



MSR-100RS/R/C

STROBE CONNECTION

The strobe assembly provides visual indication of alarm conditions, and is connected to the indicator/control assembly via the provided polarized connector.

To install the strobe module, simply plug the provided connector onto the pins as indicated on the rear of the indicator/control module. Snap the strobe lens into the cover plate, and install cover plate following completion of remote module wiring.

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).



CSFM LISTED

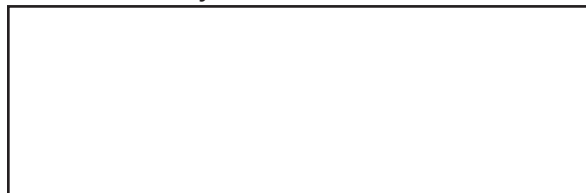
MEA ACCEPTED



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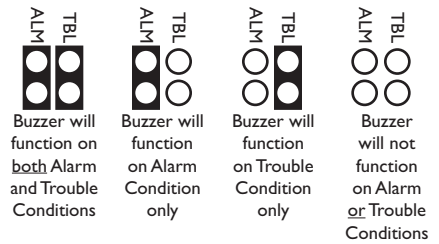
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AUDIBLE BUZZER CONFIGURATION

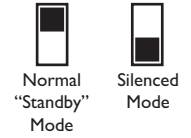
There are two jumpers located on the rear of the indicator/control assembly. To enable audible buzzer operation for Alarm or Trouble conditions, simply leave the jumpers in place. To disable either or both functions, remove the appropriate jumper(s).



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 DOWN 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", UP position.



Note that the strobe module, when installed, will not stop operating when the silence function is engaged.

WIRING

For appropriate duct detector wiring terminals, please refer to detector and MSR installation instructions.

PRODUCT SPECIFICATIONS

MSR-100R Series Remote Accessory Controllers

MSR-100R/W	Remote Indicator/Control Assembly w/ White Single Gang Cover Plate
MSR-100R/R	Remote Indicator/Control Assembly w/ Red Single Gang Cover Plate
MSR-100R/S	Remote Indicator/Control Assembly w/ Stainless Steel Single Gang Cover Plate

MSR-100RS Series Remote Accessory Controllers with Strobe

MSR-100RS/W/C	Remote Indicator/Control Assembly w/ Strobe Assembly (Clear Lens); White Double Gang Cover Plate
MSR-100RS/W/O	Remote Indicator/Control Assembly w/ Strobe Assembly (Opaque Lens); White Double Gang Cover Plate
MSR-100RS/R/C	Remote Indicator/Control Assembly w/ Strobe Assembly (Clear Lens); Red Double Gang Cover Plate
MSR-100RS/R/O	Remote Indicator/Control Assembly w/ Strobe Assembly (Opaque Lens); Red Double Gang Cover Plate
MSR-100RS/S/C	Remote Indicator/Control Assembly w/ Strobe Assembly (Clear Lens); Stainless Steel Double Gang Cover Plate
MSR-100RS/S/O	Remote Indicator/Control Assembly w/ Strobe Assembly (Opaque Lens); Stainless Steel Double Gang Cover Plate

MSR-100S Series Remote Accessory Strobes (as an optional field upgrade kit for existing installed MSR-100R Controllers)

MSR-100S/R/C	Strobe Assembly (Clear Lens); Red Double Gang Cover Plate
MSR-100S/R/O	Strobe Assembly (Opaque Lens); Red Double Gang Cover Plate
MSR-100S/S/C	Strobe Assembly (Clear Lens); Stainless Steel Double Gang Cover Plate
MSR-100S/S/O	Strobe Assembly (Opaque Lens); Stainless Steel Double Gang Cover Plate
MSR-100S/W/C	Strobe Assembly (Clear Lens); White Double Gang Cover Plate
MSR-100S/W/O	Strobe Assembly (Opaque Lens); White Double Gang Cover Plate



POWER REQUIREMENTS:		
	Standby	13mA
	Alarm LED	22mA
	Trouble with Buzzer	33mA
	Trouble Silenced	33mA
	Trouble without Buzzer	13mA
	Alarm with Buzzer	37mA
	Alarm Silenced with Buzzer	37mA
	Alarm with Buzzer and Strobe	154mA
	Alarm Silenced with Buzzer and Strobe	157mA
	Lamp Test with Buzzer	62mA
	Lamp Test with Buzzer Silenced	52mA

SOUND PRESSURE:	60db @ 10 ft
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 SM- Series and SL- Series duct smoke detectors
UL URRQ, URRQ7.S7425 / CSFM / MEA

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.