GAS & SPECIALTY SENSORS

D4120 ACCESSORIES
D4120 SERIES REMOTE ACCESSORIES

DESCRIPTION

System Sensor provides flexibility with a variety of accessories for notification and test purposes. The smoke detector accessories add functionality to the detection system by allowing quick eye level inspections and audible/visual notification options. All **System Sensor** accessories are UL listed.

APA151

The **APA151** piezo annunciator provides an audible alarm signal and LED for alarm and status indication. The unit is designed for applications without a system control panel to comply with NFPA 90 A.

MHR/MHW

The **MHR** and **MHW** mini horns feature temporal or continuous tones at high or low volume settings. Designed for small or tight areas, the unit mounts to a single gang back box.

RA100Z

The **RA100Z** remote annunciators are designed for both conventional and intelligent applications. A red LED provides visual indication of an alarm condition.

RTS151/RTS151KEY

The **RTS151** and **RTS151KEY** remote test stations are automatic fire detector accessories designed to test duct smoke detectors from a convenient location. The **RTS151** features a multi-colored LED that alternates between steady green and red for four-wire detectors and illuminates red to indicate alarm when used with two-wire detectors.
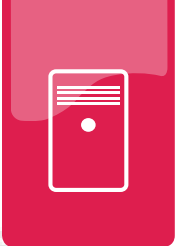
RTS2/RTS2-AOS

The **RTS2** and **RTS2-AOS** multi-signaling accessories are designed to work with four-wire conventional smoke detectors. The units feature a key switch that can be used to select one of two connected sensors to be tested, reset, or both by a push button switch.

APA151 Piezo Annunciator (UL S4011) — MHR Mini-horn, red (UL S4011) — MHW Mini-horn, white (UL S4011) — AOS Add-On Strobe

RTS2 Multi-Signaling Accessory (UL S2522) — RTS151 Remote Testing Station (UL S4011) — RTS151KEY Remote Testing Station with Key (UL S2522)

SPECIFICATIONS	
Supply Voltage	24 VDC
Alarm Auditory Levels [Db]	
	85 db @ 10' (3.0m)
Dimensions	
Single-gang	2.8"W x 4.5"H (6.9 x 11.4 cm)
Double-gang	4.5"W x 4.5"H (11.4 x 11.4 cm)
Approvals	UL FIle #S4011 & #S2522, CSFM
Warranty	1 year

RELAY			
Model	**Standby mA**	**Trouble mA**	**Alarm mA**
RA100Z	0 mA	-	10 mA maximum
APA151	12.5 mA maximum	-	30 mA maximum
RTS151	12 mA maximum	-	7.5 mA maximum
RTS151KEY	12 mA maximum	-	7.5 mA maximum
RTS2	8 mA	16 mA	40 mA maximum
MHR/MHW	0 mA	-	30 mA maximum
AOS	0 mA	-	25 mA maximum

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GAS & SPECIALTY SENSORS

WIRING

RTS151/RTS151KEY — D4120

Field Installed Jumper	10 9 19 20 1 12 15 11 2	Aux. Out + / Aux. Out −
(Red LED) Alarm		Alarm / R Test / R Reset
	+ −	ACC + / ACC −
(Green LED) Power	6	

Field Installed Jumpers: 7 18 8 17 6 16 14 3 13 5 4 — SUP, NO / SUP, C
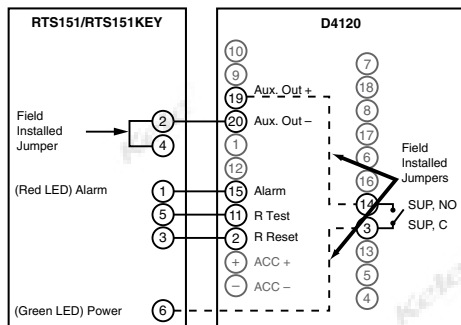
For RTS151KEY Only Without a Control Panel

APA151 — D4120

Common 1	10 9 19 20 1 12 15 11 2 + −	Aux. Out + / Aux. Out −
(Red LED) Alarm 2		Alarm / R Test / R Reset
		ACC + / ACC −
(Green LED) Power 3		

Field Installed Jumper: 7 18 8 17 6 16 14 3 13 5 4 — SUP, NO / SUP, C
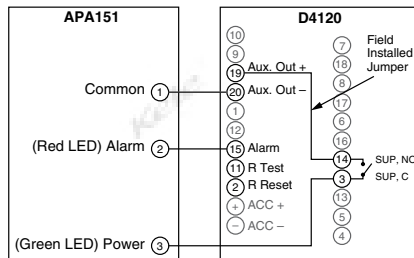
NOTE: Wiring diagram shown is for D4120 4-wire duct smoke detector system equipped without a control panel.

NOTE: A trouble condition is indicated when the green LED is not illuminated.

D4120 to APA151

D4120 to MHR/MHW

Alarm — 15 — (+)
Aux. Out − — 20 — (−)
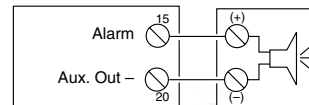
D4120 Duct Detector   **MHR/MHW** Audible Alert

D4120 to MHR/MHW

RTS2/RTS2-AOS — D4120

RTS2/RTS2-AOS	D4120
Aux. Out +	Aux. Out +
Aux. Out −	Aux. Out −
ACC −	ACC −
ACC +	ACC +
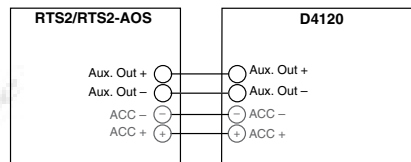
D4120 to RTS2/RTS2-AOS

ORDERING INFORMATION

MODEL	DESCRIPTION
AOS	Mini-alert add-on strobe, clear
MHW	Mini Horn, White
RA100Z	Remote annunciator, red alarm LED
RTS151	Magnetic remote test station, red alarm LED
RTS151KEY	Key-activated remote test/reset station with bi-color (green/red) power/alarm LED
RTS2	Key-activated remote test/reset station with sounder and power, trouble, and alarm LEDs
APA151	Remote annunciator with piezo alarm
MHR	Mini Horn, Red