SECTION 27 41 16

INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT

GUIDE SPECIFICATION

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Specifier: Please see PART 4 for a listing of products specified in this Guide Specification.

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1. GENERAL

NOT USED in this Guide Specification. Specifier shall Specify PART 1 administrative and procedural requirements as needed.

1. PRODUCTS
	1. CEILING SPEAKER TYPE 1:

Specifier Note:

The Saros IC4T model is a 2-way in-ceiling speaker featuring a 4 inch woofer and wide-dispersion, horn-loaded 3/4 inch dome tweeter. Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications.

* + 1. Basis of Design:
			1. **Crestron SAROS IC4T**
		2. Device Architecture
			1. Enclosure material: Aluminum, plenum rated.
			2. Baffle: ABS UL94V-0 plastic, low frequency ported.
			3. Grille:
				1. Steel
				2. Frameless magnetically affixed with safety tether.
				3. Finish: Re-paintable, powder coated.
			4. Mounting:
				1. Flush ceiling mount.
				2. Four integral two-step toggle mounting clamps.
				3. Maximum ceiling thickness: 2.4 inches (61 mm).
				4. Cutout diameter: 7.75 inches (197 mm).
				5. Minimum ceiling cavity depth: 6.9 inches (176 mm).
			5. Environmental Operating Conditions:
				1. Temperature: -2° to 120°F (-19° to 49°C)
				2. Humidity: 5% to 95% RH (non-condensing)
			6. Included Accessories:
				1. Support bridge for tile ceiling installation.

Adjustable for off center installation.

Collapsible design allowing bridge support to be inserted from below ceiling.

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (2) safety wire installation points.

* + - * 1. Black Grille
			1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
				3. Conduit knockouts:

One 0.5-inch knockout.

One 0.75-inch knockout.

* + - 1. Dimensions:
				1. Diameter: 8.53 inches (217 mm), not including toggles.
				2. Depth: 7.13 inches (181 mm).
			2. Weight: 7.02 lb. (3.2 kg)
			3. Drivers:
				1. 4-inch (102 mm) polypropylene woofer with decoupled cloth surround and steel basket
				2. .79-inch (20 mm) titanium dome horn loaded tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8-Ohm or High Impedance 70V or 100V operation.
				1. Accessible front mounted low impedance, high impedance selector switch.
			2. High Impedance Line Transformer:
				1. Five level taps at 70V:

1.88 Watts

3.75 Watts

7.5 Watts

15 Watts

30 Watts

* + - * 1. Four level taps at 100V:

3.75 Watts

7.5 Watts

15 Watts

30 Watts

* + - * 1. Low Impedance transformer by-passed:

8 Ω

* + - 1. Sensitivity: 85 dB at one meter, with 1-W input.
			2. Frequency Response: Within plus or minus 3 dB from 60 to 20,000 Hz.
			3. Frequency Range: Within minus 10 dB from 45 to 20,000 Hz.
			4. Crossover Frequency: 2 kHz
			5. Nominal Coverage: 110 degrees conical.
			6. Power Handling: 100 Watts Program at 8-Ohms.

Specifier: Crestron Saros speakers utilize a tweeter protection method that does not require replacement of internal components. In the event of the tweeter being “over-powered” the protection device will limit power to the tweeter as long as the condition exists. Many competitor speakers utilize a fuse or fuse-bulb type component, which is capable of absorbing some over-limit power, but will eventually rupture, requiring the entire unit to be removed and disassemble for replacement of the fuse/fuse-bulb.

* + - 1. Driver Protection:
				1. Integral tweeter protection circuit.

Self-resetting protection device.

* + - * 1. Speakers utilizing driver protection methods requiring physical replacement of ruptured protection components including but not limited to, fuses or fuse bulbs shall not be accepted.
		1. Compliance
			1. UL Listed for US & Canada
				1. UL 1480
				2. UL 2043
			2. CE
			3. FCC Part 15 Class B
	1. CEILING SPEAKER TYPE 2:

Specifier Note: The Saros IC6T model is a 2-way in-ceiling speaker featuring a 6.50 in. (165.1 mm) woofer and wide-dispersion, horn-loaded 1 in. (25.4 mm) dome tweeter. Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications.

* + 1. Basis of Design:
			1. **Crestron SAROS IC6T**
		2. Device Architecture
			1. Enclosure material: Aluminum, plenum rated.
			2. Baffle: ABS UL94V-0 plastic, low frequency ported.
			3. Grille:
				1. Steel
				2. Frameless magnetically affixed with safety tether.
				3. Finish: Re-paintable, powder coated.
			4. Mounting:
				1. Flush ceiling mount.
				2. Four integral two-step toggle mounting clamps.
				3. Maximum ceiling thickness: 2.4 inches (61 mm).
				4. Cutout diameter: 9.68 inches (246 mm).
				5. Minimum ceiling cavity depth: 8.1 inches (206 mm).
			5. Environmental Operating Conditions:
				1. Temperature: -2° to 120°F (-19° to 49°C)
				2. Humidity: 5% to 95% RH (non-condensing)
			6. Included Accessories:
				1. Support bridge for tile ceiling installation.

Adjustable for off center installation.

Collapsible design allowing bridge support to be inserted from below ceiling.

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (2) safety wire installation points.

* + - * 1. Black Grille
			1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
				3. Conduit knockouts:

One 0.5-inch knockout.

One 0.75-inch knockout.

* + - 1. Dimensions:
				1. Diameter: 10.57 inches (269 mm), not including toggles.
				2. Depth: 8.31 inches (211 mm).
			2. Weight: 10.38 lb. (4.7 kg)
			3. Drivers:
				1. 6.5-inch (165 mm) polypropylene woofer with decoupled cloth surround and steel basket
				2. .98-inch (25 mm) titanium dome horn loaded tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8-Ohm or High Impedance 70V or 100V operation.
				1. Accessible front mounted low impedance, high impedance selector switch.
			2. High Impedance Line Transformer:
				1. Five level taps at 70V:

3.75 Watts

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Four level taps at 100V:

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Low Impedance transformer by-passed:

8 Ω

* + - 1. Sensitivity: 88.5 dB at one meter, with 1-W input.
			2. Frequency Response: Within plus or minus 3 dB from 50 to 20,000 Hz.
			3. Frequency Range: Within minus 10 dB from 40 to 20,000 Hz.
			4. Crossover Frequency: 2.5 kHz
			5. Nominal Coverage: 100 degrees conical.
			6. Power Handling: 125 Watts Program at 8-Ohms.

Specifier: Crestron Saros speakers utilize a tweeter protection method that does not require replacement of internal components. In the event of the tweeter being “over-powered” the protection device will limit power to the tweeter as long as the condition exists. Many competitor speakers utilize a fuse or fuse-bulb type component, which is capable of absorbing some over-limit power, but will eventually rupture, requiring the entire unit to be removed and disassemble for replacement of the fuse/fuse-bulb.

* + - 1. Driver Protection:
				1. Integral tweeter protection circuit.

Self-resetting protection device.

* + - * 1. Speakers utilizing driver protection methods requiring physical replacement of ruptured protection components including but not limited to, fuses or fuse bulbs shall not be accepted.
		1. Compliance
			1. UL 1480
			2. UL 2043
	1. CEILING SPEAKER TYPE 3:

Specifier Note: The Saros IC6LPT model is a 2-way in-ceiling speaker featuring a 6-1/2 inch woofer and wide-dispersion, horn-loaded 1 inch dome tweeter. Its low-profile enclosure allows for installation in constricted ceiling spaces as shallow as 5-1/8 inches (130 mm). Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications.

* + 1. Basis of Design:
			1. **Crestron SAROS IC6LPT**
		2. Device Architecture
			1. Enclosure material: Zinc-plated steel, plenum rated with side entry cable clamp
			2. Baffle: ABS UL94V-0 plastic.
			3. Grille:
				1. Steel
				2. Magnetically held frameless design
				3. White textured finish, paintable
			4. Mounting:
				1. Flush ceiling mount.
				2. Four integral two-step swiveling dogs
				3. Maximum ceiling thickness: 2.4 inches (61 mm).
				4. Recommended cutout diameter: 9.875 inches (250 mm).
				5. Minimum ceiling cavity depth: 5.2 inches (130 mm).
			5. Environmental Operating Conditions:
				1. Temperature: -2° to 120°F (-19° to 49°C)
				2. Humidity: 5% to 95% RH (non-condensing)
			6. Included Accessories:
				1. Support bridge for tile ceiling installation.

Adjustable for off center installation.

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (2) safety wire installation points.

* + - 1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
			2. Dimensions:
				1. Diameter: 10.64 inches (270 mm), not including mounting dogs.
				2. Depth: 5.30 inches (135 mm).
			3. Weight: 8.2 lb. (3.7 kg)
			4. Drivers:
				1. 6.5-inch (165 mm) polypropylene woofer with ring mode decoupled cloth surround and steel basket
				2. .98-inch (25 mm) titanium dome horn loaded tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8 Ω or High Impedance 70 V or 100 V operation.
				1. Accessible front mounted low impedance, high impedance selector switch.
			2. High Impedance Line Transformer:
				1. Five level taps at 70 V:

3.75 Watts

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Four level taps at 100 V:

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Low Impedance transformer:

8 Ω

* + - 1. Sensitivity: 88 dB at 1 W, 1 m away.
			2. Frequency Response: Within plus or minus 3 dB from 65 to 20,000 Hz.
			3. Frequency Range: Within minus 10 dB from 55 to 20,000 Hz.
			4. Crossover frequency: 2.5 kHz.
			5. Nominal Coverage: 95 degrees conical.
			6. Power Handling: 50 W program at 8 Ω
		1. Compliance
			1. UL Listed for US & Canada
				1. UL 1480
				2. UL 2043
			2. CE
			3. FCC Part 15 Class B
	1. CEILING SPEAKER TYPE 4:

Specifier Note: The Saros IC8T model is a 2-way in-ceiling speaker featuring an 8 inch woofer and wide-dispersion, horn-loaded 1 inch dome tweeter. Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications.

* + 1. Basis of Design:
			1. **Crestron SAROS IC8T**
		2. Device Architecture
			1. Enclosure material: Aluminum, plenum rated.
			2. Baffle: ABS UL94V-0 plastic, low frequency ported.
			3. Grille:
				1. Steel
				2. Frameless magnetically affixed with safety tether.
				3. Finish: Re-paintable, powder coated.
			4. Mounting:
				1. Flush ceiling mount.
				2. Four integral two-step toggle mounting clamps.
				3. Maximum ceiling thickness: 2.4 inches (61 mm).
				4. Cutout diameter: 11.3125 inches (287 mm).
				5. Minimum ceiling cavity depth: 8.9 inches (226 mm).
			5. Environmental Operating Conditions:
				1. Temperature: -2° to 120°F (-19° to 49°C)
				2. Humidity: 5% to 95% RH (non-condensing)
			6. Included Accessories:
				1. Support bridge for tile ceiling installation.

Adjustable for off center installation.

Collapsible design allowing bridge support to be inserted from below ceiling.

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (2) safety wire installation points.

* + - * 1. Black Grille
			1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
				3. Conduit knockouts:

One 0.5-inch knockout.

One 0.75-inch knockout.

* + - 1. Dimensions:
				1. Diameter: 12.07 inches (307 mm), not including toggles.
				2. Depth: 9.10 inches (231 mm).
			2. Weight: 12.5 lb. (5.7 kg)
			3. Drivers:
				1. 8-inch (203 mm) polypropylene woofer with ring mode decoupled cloth surround and steel basket
				2. .98-inch (25 mm) titanium dome horn loaded tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8-Ohm or High Impedance 70V or 100V operation.
				1. Accessible front mounted low impedance, high impedance selector switch.
			2. High Impedance Line Transformer:
				1. Five level taps at 70V:

3.75 Watts

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Four level taps at 100V:

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Low Impedance transformer by-passed:

8-Ohms.

* + - 1. Sensitivity: 90.5 dB at one meter, with 1-W input.
			2. Frequency Response: Within plus or minus 3 dB from 50 to 20,000 Hz.
			3. Frequency Range: Within minus 10 dB from 40 to 20,000 Hz.
			4. Crossover Frequency: 2.5 kHz
			5. Nominal Dispersion Angle: 100 degrees conical.
			6. Power Handling: 150 Watts Program at 8-Ohms.

Specifier: Crestron Saros speakers utilize a tweeter protection method that does not require replacement of internal components. In the event of the tweeter being “over-powered” the protection device will limit power to the tweeter as long as the condition exists. Many competitor speakers utilize a fuse or fuse-bulb type component, which is capable of absorbing some over-limit power, but will eventually rupture, requiring the entire unit to be removed and disassemble for replacement of the fuse/fuse-bulb.

* + - 1. Driver Protection:
				1. Integral tweeter protection circuit.

Self-resetting protection device.

* + - * 1. Speakers utilizing driver protection methods requiring physical replacement of ruptured protection components including but not limited to, fuses or fuse bulbs shall not be accepted.
		1. Compliance
			1. UL Listed for US & Canada
				1. UL 1480
				2. UL 2043
			2. CE
			3. FCC Part 15 Class B
	1. CEILING SPEAKER TYPE 5:

Specifier Note: The Saros ICS8T model is an 8 inch in-ceiling subwoofer designed to provide extended low-frequency response for music and sound reinforcement applications. Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications.

* + 1. Basis of Design:
			1. **Crestron SAROS ICS8T**
		2. Device Architecture
			1. Enclosure material: Zinc-plated steel, plenum rated.
			2. Baffle: ABS UL94V-0 plastic.
			3. Grille:
				1. Steel
				2. Magnetically held frameless design
				3. White textured finish, paintable
			4. Mounting:
				1. Flush ceiling mount.
				2. Four integral two-step toggle mounting clamps.
				3. Maximum ceiling thickness: 2.4 inches (61 mm).
				4. Cutout diameter: 11.3125 inches (287 mm).
				5. Minimum ceiling cavity depth: 8.9 inches (226 mm).
			5. Environmental Operating Conditions:
				1. Temperature: -2° to 120°F (-19° to 49°C)
				2. Humidity: 5% to 95% RH (non-condensing)
			6. Included Accessories:
				1. Support bridge for tile ceiling installation.

Adjustable for off center installation.

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (2) safety wire installation points.

* + - * 1. Black Grille
			1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
				3. Conduit knockouts:

One 0.5-inch knockout.

One 0.75-inch knockout.

* + - 1. Dimensions:
				1. Diameter: 12.07 inches (307 mm), not including toggles.
				2. Depth: 9.10 inches (231 mm).
			2. Weight: 14.0 lb. (6.4 kg)
			3. Drivers:
				1. 8-inch (203 mm) polypropylene woofer with rubber surround, steel basket and phase plug
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8 Ω or High Impedance 70 V or 100 V operation.
				1. Accessible front mounted low impedance, high impedance selector switch.
			2. High Impedance Line Transformer:
				1. Two level taps at 70 V:

60 Watts

120 Watts

* + - * 1. One level tap at 100 V:

120 Watts

* + - * 1. Low Impedance transformer by-passed:

8 Ω

* + - 1. Sensitivity: 90 dB at 1 W, 1 m away.
			2. Frequency Response: Within plus or minus 3 dB from 45 to 125 Hz.
			3. Frequency Range: Within minus 10 dB from 35 to 125 Hz.
			4. 125 Hz 2nd order Low-Pass Filter
			5. Power Handling: 100 Watts Program at 8 Ω.
		1. Compliance
			1. UL Listed for US & Canada
				1. UL 1480
				2. UL 1480A
				3. UL 2043
			2. CE
			3. FCC Part 15 Class B
	1. CEILING SPEAKER TYPE 6:

Specifier Note: The Saros IC8LPT model is a 2-way in-ceiling speaker featuring an 8 inch woofer and wide-dispersion, horn-loaded 1 inch dome tweeter. Its low-profile enclosure allows for installation in constricted ceiling spaces as shallow as 5-1/8 inches (130 mm). Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications.

* + 1. Basis of Design Product:
			1. **Crestron SAROS IC8LPT**
		2. Device Architecture
			1. Enclosure material: Zinc-plated steel, plenum rated with side entry cable clamp
			2. Baffle: ABS UL94V-0 plastic.
			3. Grille:
				1. Steel
				2. Magnetically held frameless design
				3. White textured finish, paintable
			4. Mounting:
				1. Flush ceiling mount.
				2. Four integral two-step swiveling dogs
				3. Maximum ceiling thickness: 2.4 inches (61 mm).
				4. Recommended cutout diameter: 11.3125 inches (287 mm).
				5. Minimum ceiling cavity depth: 5.2 inches (130 mm).
			5. Environmental Operating Conditions:
				1. Temperature: -2° to 120°F (-19° to 49°C)
				2. Humidity: 5% to 95% RH (non-condensing)
			6. Included Accessories:
				1. Support bridge for tile ceiling installation.

Adjustable for off center installation.

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (2) safety wire installation points.

* + - * 1. Black Grille
			1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
			2. Dimensions:
				1. Diameter: 12.13 inches (308 mm), not including mounting dogs
				2. Depth: 5.30 inches (135 mm).
			3. Weight: 11.2 lb. (5.0 kg)
			4. Drivers:
				1. 8-inch (203 mm) polypropylene woofer with ring mode decoupled cloth surround and steel basket
				2. .98-inch (25 mm) titanium dome horn loaded tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8 Ω or High Impedance 70 V or 100 V operation.
				1. Accessible front mounted low impedance, high impedance selector switch.
			2. High Impedance Line Transformer:
				1. Five level taps at 70 V:

3.75 Watts

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Four level taps at 100 V:

7.5 Watts

15 Watts

30 Watts

60 Watts

* + - * 1. Low Impedance transformer:

8 Ω

* + - 1. Sensitivity: 90 dB at 1 W, 1 m away.
			2. Frequency Response: Within plus or minus 3 dB from 65 to 20,000 Hz.
			3. Frequency Range: Within minus 10 dB from 55 to 20,000 Hz.
			4. Crossover frequency: 2.5 kHz.
			5. Nominal Coverage: 95 degrees conical.
			6. Power Handling: 50 W program at 8 Ω
		1. Compliance
			1. UL Listed for US & Canada
				1. UL 1480
				2. UL 1480A
				3. UL 2043
			2. CE
			3. FCC Part 15 Class B
	1. CEILING SPEAKER TYPE 7:

Specifier Note: The Saros ICT5T-12 is a 1 ft x 2 ft ceiling mount loudspeaker designed for multimedia presentation and speech reinforcement in classrooms, meeting spaces, and most indoor distributed sound system applications. It features a coaxial 5 in. two-way driver in a low profile enclosure that’s ideal for use in plenum spaces that are packed with preexisting systems and utilities, leaving limited space for ceiling loudspeakers.

* + 1. Basis of Design Product:
			1. **Crestron SAROS ICT5T-12**
		2. Device Architecture
			1. Enclosure material: Steel, painted black.
			2. Baffle: Steel, painted black.
			3. Grille: Steel, painted white.
			4. Mounting:
				1. Lays onto suspended ceiling grid
			5. Environmental Operating Conditions:
				1. For indoor use only
			6. Included Accessories:
				1. One (1) cross tee accessory per loudspeaker.

24-inch length, 15/16-inch face profile

Staked-on end clips

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (5) safety wire installation points.

* + - 1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
			2. Dimensions:
				1. Height: 4.00 inches
				2. Width: 11.88 inches
				3. Depth: 23.75 inches
			3. Weight: 8.4 lb. (3.8 kg)
			4. Transducer: 5-inch woofer with dome tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8 Ω or High Impedance 70 V or 100 V operation.
				1. Rotary knob on plenum side of loudspeaker enclosure for low impedance, high impedance mode selection.
			2. High Impedance Line Transformer:
				1. Five level taps at 70 V:

1 Watt

2 Watts

4 Watts

8 Watts

16 Watts

* + - * 1. Four level taps at 100 V:

2 Watts

4 Watts

8 Watts

16 Watts

* + - * 1. Low Impedance transformer:

8 Ω

* + - 1. Sensitivity: 90 dB at 1 W, 1 m away.
			2. Frequency Range: Within plus 3 to minus 10 dB from 70 to 18,000 Hz.
			3. Beamwidth: 120 degrees
			4. Power Handling: 30 W program at 8 Ω
		1. Compliance
			1. UL 1480A
			2. UL 2043
	1. CEILING SPEAKER TYPE 8:

Specifier Note: The Saros ICT5T-22 is a 2 ft x 2 ft ceiling mount loudspeaker designed for multimedia presentation and speech reinforcement in classrooms, meeting spaces, and most indoor distributed sound system applications. It features a coaxial 5 in. two-way driver in a low profile enclosure that’s ideal for use in plenum spaces that are packed with preexisting systems and utilities, leaving limited space for ceiling loudspeakers.

* + 1. Basis of Design Product:
			1. **Crestron SAROS ICT5T-22**
		2. Device Architecture
			1. Enclosure material: Steel, painted black.
			2. Baffle: Steel, painted black.
			3. Grille: Steel, painted white.
			4. Mounting:
				1. Lays onto suspended ceiling grid
			5. Environmental Operating Conditions:
				1. For indoor use only
			6. Included Accessories:
				1. One (1) cross tee accessory per loudspeaker.

24-inch length, 15/16-inch face profile

Staked-on end clips

* + - 1. Optional Accessories:
				1. Safety Tether

Have a minimum of two (5) safety wire installation points.

* + - 1. Termination:
				1. 4-pin 5 mm screw down conductor detachable terminal block with speaker input and parallel pass-through connections.
				2. Maximum wire size: 12 AWG.
			2. Dimensions:
				1. Height: 4.00 inches
				2. Width: 23.75 inches
				3. Depth: 23.75 inches
			3. Weight: 12.45 lb. (5.6 kg)
			4. Transducer: 5-inch woofer with dome tweeter
		1. Functions
			1. Speaker unit shall be equipped for Low Impedance 8 Ω or High Impedance 70 V or 100 V operation.
				1. Rotary knob on plenum side of loudspeaker enclosure for low impedance, high impedance mode selection.
			2. High Impedance Line Transformer:
				1. Five level taps at 70 V:

1 Watt

2 Watts

4 Watts

8 Watts

16 Watts

* + - * 1. Four level taps at 100 V:

2 Watts

4 Watts

8 Watts

16 Watts

* + - * 1. Low Impedance transformer:

8 Ω

* + - 1. Sensitivity: 90 dB at 1 W, 1 m away.
			2. Frequency Range: Within plus 3 to minus 10 dB from 70 to 18,000 Hz.
			3. Beamwidth: 120 degrees
			4. Power Handling: 30 W program at 8 Ω
		1. Compliance
			1. UL 1480A
			2. UL 2043
1. EXECUTION

NOT USED in this Guide Specification. Specifier shall Specify PART 3 On-Site work as needed.

1. APPENDICES
	1. SPECIFIED PRODUCTS
		1. Crestron SAROS IC4T
		2. Crestron SAROS IC6T
		3. Crestron SAROS IC6LPT
		4. Crestron SAROS IC8T
		5. Crestron SAROS ICS8T
		6. Crestron SAROS IC8LPT
		7. Crestron SAROS ICT5T-12
		8. Crestron SAROS ICT5T-22