SECTION 27 41 16

INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT

GUIDE SPECIFICATION

Specifier: The Specifier/Design Professional is responsible for the accuracy of all project specifications, including system application and coordination with related sections. This guide specification is provided as a convenience and requires editing to match actual project requirements. CRESTRON ELECTRONICS, INC. SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY OF ITS GUIDE SPECIFICATIONS. For Crestron design assistance and design review please contact Sales Support Services Department at 800.237.2041 or techsales@crestron.com.

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

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# GENERAL

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

## Description: All-Weather Surface Mount Speaker

# PRODUCTS

## Speaker Type 1

Specifier Note:

*The Crestron SAROS SMT6T‑AW‑B‑T‑EACH speaker has a clean and contoured enclosure with weatherized construction. The speaker can be mounted to most solid flat surfaces using the included brackets and painted to blend with the surrounding architecture.*

### Basis of Design

#### Crestron SAROS SMT6T-AW-B-T-EACH

Specifier Note:

SAROS SMT6T-AW-B-T-EACH
https://www.crestron.com/Products/Audio/Speakers-Commercial/Surface-Mount-Speakers/SAROS-SMT6T-AW-B-T-EACH

### Device Architecture

#### Physical Form factor

##### Dimensions:

###### Height: 13.11 in. (333 mm)

###### Width: 7.84 in. (199 mm)

###### Depth: 8.17 in. (208 mm)

##### Construction

###### Enclosure: PP+Fiber loaded, fire retardant, UL rated

###### Baffle: PP+Fiber loaded, fire retardant, UL rated

###### Grille: Powder-coated perforated aluminum

###### Mounting: Die Cast AL wall mount to fit 1 gang box, pole clamp capable, safety tether, adjustable yoke.

##### Weight: 11.12 lb. (5 kg)

##### Environmental Operating Conditions

###### Temperature: 4° to 176° F (-15.5° to 80° C)

###### Humidity: 10% to 95% RH (non-condensing)

###### Splash Resistance: IPX6

### Functions

#### Features and Performance

##### Woofer: 6.5 in. Injection Molded PP

##### Tweeter: 1 in. ceramic coated aluminum

##### Crossover Point: 2 kHz

##### Impedance: 8 Ω nominal with tap transformer set to 8 Ω

##### Transformer Taps: 7.5 W, 15 W, 30 W, 60 W

##### Frequency Response: 65 Hz - 20 kHz, ± 3 dB

##### Frequency Range: 45 Hz - 20 kHz, ± 10 dB

##### Power Handling: 110 W Program, 200 W Peak (8 Ω)

##### Sensitivity: 92 dB @ 1 m

### Connections

#### Input: (1) 4-pin 5 mm detachable terminal block, Speaker input with parallel pass-through, 12 AWG maximum

### Controls

#### Transformer Tap: Front mounted, screwdriver-adjustable, used to select 70/100V taps or 8 Ω

#### Maximum Wire Size: 12 AWG

### Compliance

#### Regulatory Model: UL 1480A, UL 2239

## Speaker Type 2

Specifier Note:

*The Crestron SAROS SMT6T‑AW‑W‑T‑EACH speaker has a clean and contoured enclosure with weatherized construction. The speaker can be mounted to most solid flat surfaces using the included brackets and painted to blend with the surrounding architecture.*

### Basis of Design

#### Crestron SAROS SMT6T-AW-W-T-EACH

Specifier Note:

SAROS SMT6T-AW-W-T-EACH
https://www.crestron.com/Products/Audio/Speakers-Commercial/Surface-Mount-Speakers/SAROS-SMT6T-AW-W-T-EACH

### Device Architecture

#### Physical Form factor

##### Dimensions:

###### Height: 13.11 in. (333 mm)

###### Width: 7.84 in. (199 mm)

###### Depth: 8.17 in. (208 mm)

##### Construction

###### Enclosure: PP+Fiber loaded, fire retardant, UL rated

###### Baffle: PP+Fiber loaded, fire retardant, UL rated

###### Grille: Powder-coated perforated aluminum

###### Mounting: Die Cast AL wall mount to fit 1 gang box, pole clamp capable, safety tether, adjustable yoke.

##### Weight: 11.12 lb. (5 kg)

##### Environmental Operating Conditions

###### Temperature: 4° to 176° F (-15.5° to 80° C)

###### Humidity: 10% to 95% RH (non-condensing)

###### Splash Resistance: IPX6

### Functions

#### Features and Performance

##### Woofer: 6.5 in. Injection Molded PP

##### Tweeter: 1 in. ceramic coated aluminum

##### Crossover Point: 2 kHz

##### Impedance: 8 Ω nominal with tap transformer set to 8 Ω

##### Transformer Taps: 7.5 W, 15 W, 30 W, 60 W

##### Frequency Response: 65 Hz - 20 kHz, ± 3 dB

##### Frequency Range: 45 Hz - 20 kHz, ± 10 dB

##### Power Handling: 110 W Program, 200 W Peak (8 Ω)

##### Sensitivity: 92 dB @ 1 m

### Connections

#### Input: (1) 4-pin 5 mm detachable terminal block, Speaker input with parallel pass-through, 12 AWG maximum

### Controls

#### Transformer Tap: Front mounted, screwdriver-adjustable, used to select 70/100V taps or 8 Ω

#### Maximum Wire Size: 12 AWG

### Compliance

#### Regulatory Model: UL 1480A, UL 2239

## Speaker Type 3

Specifier Note:

*The Crestron SAROS SMT8T‑AW‑B‑T‑EACH speaker has a clean and contoured enclosure with weatherized construction. The speaker can be mounted to most solid flat surfaces using the included brackets and painted to blend with the surrounding architecture.*

### Basis of Design

#### Crestron SAROS SMT8T-AW-B-T-EACH

Specifier Note:

SAROS SMT8T-AW-B-T-EACH
https://www.crestron.com/Products/Audio/Speakers-Commercial/Surface-Mount-Speakers/SAROS-SMT8T-AW-B-T-EACH

### Device Architecture

#### Physical Form factor

##### Dimensions:

###### Height: 14.92 in. (379 mm)

###### Width: 9.42 in. (239 mm)

###### Depth: 9.64 in. (245 mm)

##### Construction

###### Enclosure: PP+Fiber loaded, fire retardant, UL rated

###### Baffle: PP+Fiber loaded, fire retardant, UL rated

###### Grille: Powder-coated perforated aluminum

###### Mounting: Die Cast AL wall mount to fit 1 gang box, pole clamp capable, safety tether, adjustable yoke.

##### Weight: 14.12 lb. (6.4 kg)

##### Environmental Operating Conditions

###### Temperature: 4° to 176° F (-15.5° to 80° C)

###### Humidity: 10% to 95% RH (non-condensing)

###### Splash Resistance: IPX6

### Functions

#### Features and Performance

##### Woofer: 8 in. Injection Molded PP

##### Tweeter: 1 in. ceramic coated aluminum

##### Crossover Point: 2 kHz

##### Impedance: 8 Ω nominal with tap transformer set to 8 Ω

##### Transformer Taps: 10 W, 20 W, 40 W, 80 W, 8 Ω

##### Frequency Response: 57 Hz - 20 kHz, ± 3 dB

##### Frequency Range: 42 Hz - 20 kHz, ± 10 dB

##### Power Handling: 160 W Program, 250 W Peak (8 Ω)

##### Sensitivity: 92 dB @ 1 m

### Connections

#### Input: (1) 4-pin 5 mm detachable terminal block, Speaker input with parallel pass-through, 12 AWG maximum

### Controls

#### Transformer Tap: Front mounted, screwdriver-adjustable, used to select 70/100V taps or 8 Ω

#### Maximum Wire Size: 12 AWG

### Compliance

#### Regulatory Model: UL 1480A, UL 2239

## Speaker Type 4

Specifier Note:

*The Crestron SAROS SMT8T‑AW‑W‑T‑EACH speaker has a clean and contoured enclosure with weatherized construction. The speaker can be mounted to most solid flat surfaces using the included brackets and painted to blend with the surrounding architecture.*

### Basis of Design

#### Crestron SAROS SMT8T-AW-W-T-EACH

Specifier Note:

SAROS SMT8T-AW-W-T-EACH
https://www.crestron.com/Products/Audio/Speakers-Commercial/Surface-Mount-Speakers/SAROS-SMT8T-AW-W-T-EACH

### Device Architecture

#### Physical Form factor

##### Dimensions:

###### Height: 14.92 in. (379 mm)

###### Width: 9.42 in. (239 mm)

###### Depth: 9.64 in. (245 mm)

##### Construction

###### Enclosure: PP+Fiber loaded, fire retardant, UL rated

###### Baffle: PP+Fiber loaded, fire retardant, UL rated

###### Grille: Powder-coated perforated aluminum

###### Mounting: Die Cast AL wall mount to fit 1 gang box, pole clamp capable, safety tether, adjustable yoke.

##### Weight: 14.12 lb. (6.4 kg)

##### Environmental Operating Conditions

###### Temperature: 4° to 176° F (-15.5° to 80° C)

###### Humidity: 10% to 95% RH (non-condensing)

###### Splash Resistance: IPX6

### Functions

#### Features and Performance

##### Woofer: 8 in. Injection Molded PP

##### Tweeter: 1 in. ceramic coated aluminum

##### Crossover Point: 2 kHz

##### Impedance: 8 Ω nominal with tap transformer set to 8 Ω

##### Transformer Taps: 10 W, 20 W, 40 W, 80 W, 8 Ω

##### Frequency Response: 57 Hz - 20 kHz, ± 3 dB

##### Frequency Range: 42 Hz - 20 kHz, ± 10 dB

##### Power Handling: 160 W Program, 250 W Peak (8 Ω)

##### Sensitivity: 92 dB @ 1 m

### Connections

#### Input: (1) 4-pin 5 mm detachable terminal block, Speaker input with parallel pass-through, 12 AWG maximum

### Controls

#### Transformer Tap: Front mounted, screwdriver-adjustable, used to select 70/100V taps or 8 Ω

#### Maximum Wire Size: 12 AWG

### Compliance

#### Regulatory Model: UL 1480A, UL 2239

# EXECUTION

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

# APPENDICES

## SPECIFIED PRODUCTS

### Crestron SAROS SMT6T-AW-B-T-EACH

### Crestron SAROS SMT6T-AW-W-T-EACH

### Crestron SAROS SMT8T-AW-B-T-EACH

### Crestron SAROS SMT8T-AW-W-T-EACH