FEDERAL SIGNAL

Model 300GCX-CN

SelecTone® Hazardous Location Zone Listed 15 W Amplified Speakers

Model 300GCX-CN SelecTone® Amplified Speaker is designed to produce tones, digital voice messages, and live public address in harsh environments with high ambient noise levels.

The rugged speaker cone and projector are constructed of spun aluminum. The amplification circuitry, tone module, and gain control are contained in a housing constructed of diecast aluminum. All surfaces are sealed with powder-coat paint. Dust- and moisture-proof gaskets provide protection from the elements.

SelecTone Amplified Speakers are used individually or as part of a plant-wide emergency notification system. Model UTM Universal Tone Module with (32) tones or model TM33-SD Custom Tone Module is plugged into a single SelecTone Amplified Speaker for stand-alone use or into a SelecTone Command Unit for plant-wide signaling.

For plant-wide signaling, a Connector Kit is installed into each SelecTone Amplified Speaker and wired to a central controller, SelecTone Command Unit or CommCenter® Digital Message Center. Command Units and CommCenters broadcast tones, voice messages, melodies, and live public address to an unlimited number of SelecTone Amplified Speakers.

Applications for SelecTone include emergency warning, evacuation, start/dismissal, public address, and process control signaling.

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FEATURES

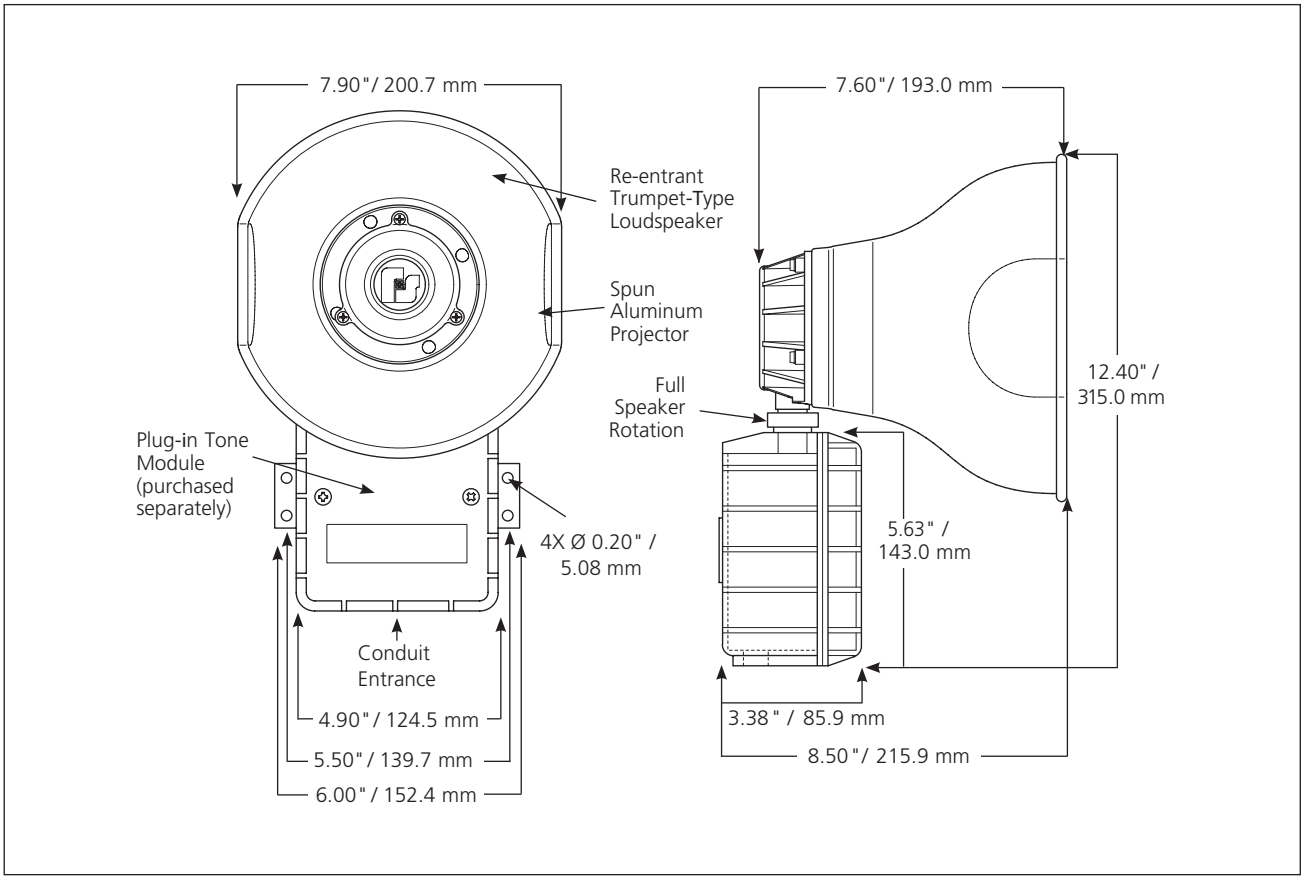
- Available in 24 Vac/dc, 120 Vac, and 240 Vac
- Reliable, solid-state circuitry
- Digital signal amplification
- Fused input and output
- Built-in gain control, adjustable between 0 dBa to 110 dBa at 10' (0 dBa to 120 dBa at 1 m)
- Cast copper-free aluminum housing, spun aluminum projector
- Type 4X, IP66 enclosure
- IP69K compliant
- Indoor/outdoor use
- UL and cUL Listed for Class I, Zone 2, AEx nA IIC Gc; Class II, Zone 22 AEx tc IIIC Dc

SelecTone® Hazardous Location Zone Listed 15 W Amplified Speakers (300GCX-CN)

MODEL	OPERATING VOLTAGE	OPERATING CURRENT	STANDBY CURRENT*	DECIBELS 10'	DECIBELS 1 m
300GCX-024-CN	24 Vac/dc	1.0 A	100 mA	110	120
300GCX-120-CN	120 Vac 50/60 Hz	0.20 A	30 mA	110	120
300GCX-240-CN	240 Vac 50/60 Hz	0.15 A	15 mA	110	120

*When used as a powered loud speaker

HAZARDOUS LOCATION RATING:	**300GCX-CN**
T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C	
HAZARDOUS LOCATION	**40ºC**
Class I, Zone 2	T3
Class II, Zone 22	T85



SPECIFICATIONS

Electrical Operating Temperature:	-67° to 150°F (-55° to 66°C)
Certified Operating Temperature:	-22° to 150°F (-30° to 66°C)
Rated Power:	15 watt
Net Weight:	
24 Vac/dc	5.5 lb (2.5 kg)
120/240 Vac	5.5 lb (2.5 kg)
Shipping Weight:	
24 Vac/dc	6.7 lb (3.0 kg)
120/240 Vac	6.7 lb (3.0 kg)
Height:	12.40 in (315.0 mm)
Width:	7.90 in (200.7 mm)
Depth:	8.50 in (215.9 mm)

HOW TO ORDER

Description **Part Number**

1. **Select Model**
2. **Select Required Accessory (sold separately):**
   A. For stand-alone operation, select Tone Module:

Universal Tone Module	**UTM**
Custom Tone Module	**TM33-SD**

   B. For use in systems*, select Connector Kit:

25 V_{rms}, 1 V_{rms}	**AM25CK**
70 V_{rms}, 1 V_{rms}	**AM70CK**
10 V_{rms}, 1 V_{rms}	**300CK**
2.7 V_{rms}, 1 V_{rms}	**T-300CK**
1 V_{rms}, 1 V_{rms}	**E-300CK**

*Call the factory for design assistance

300GCX – 024 – CN

TYPE
300GCX

VOLTAGE
024 (24 Vac/dc)
120 (120 Vac)
240 (240 Vac)

REPLACEMENT PARTS

Description	Part Number
PCBA, 15 W, 24 Vac/dc	**K2001961B-05**
PCBA, 15 W, 120/240 Vac	**K2001961B-04**
XFMR, 15 W, 120 Vac, 1.3 A	**K120857A**
XFMR, 15 W, 240 Vac, 1.3 A	**K120858A**
Amplifier Assembly, 15 W	**K2005502D-04**
Speaker Assembly, 15 W	**K8593082A**
Voice Coil, 15 W	**K8593035A**
Gasket	**K288A043**