FEDERAL SIGNAL

Model 302X

SelecTone® Explosion-Proof 30 W Amplified Speakers

Model 302X SelecTone® Amplified Speaker is designed to meet UL 1480 intelligibility requirements producing crisp, clear 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 all new internal circuitry, tone module, and gain control are contained in a housing constructed of cast aluminum. All surfaces are sealed with powder-coat paint and assembled with stainless steel hardware. Dust- and moisture-proof gaskets provide protection from the elements. This housing incorporates a tool-less rear cover design, eliminating the need for torque-specific hardware and solves the problem of missing or lost fasteners.

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 required for each SelecTone Amplified Speaker and wired to a central controller. SelecTone Command Units and CommCenter® Digital Message Centers broadcast tones, voice messages, melodies and live public address to an unlimited number of SelecTone Amplified Speakers.

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

FEATURES

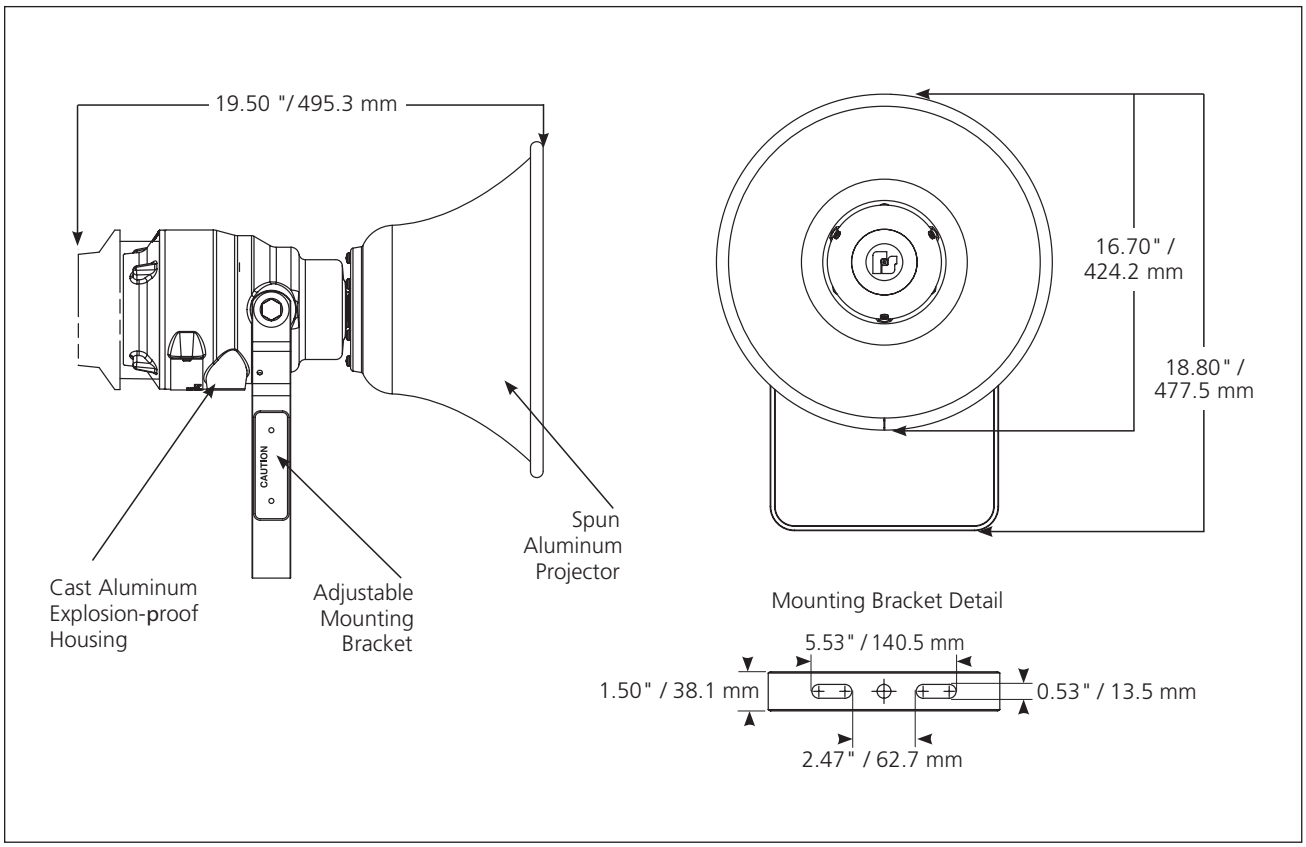
- Available in 24 Vac/dc and 120/240 Vac
- Digital Signal Amplification
- Fused input and output
- Built-in gain control, adjustable between 0 dBa to 114 dBa at 10' (0 dBa to 124 dBa at 1 m)
- Type 4X, IP66 enclosure
- CSFM Approved
- UL and cUL Listed for Class I, Division 1, Groups B, C, and D; Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; and Class III

SelecTone® Explosion-Proof 30 W Amplified Speakers (302X)

MODEL	OPERATING VOLTAGE	OPERATING CURRENT	STANDBY CURRENT	DECIBELS 10'	DECIBELS 1 m
302X-024	24 Vdc	1.35 A	0.13 A	114	124
	24 Vac 50/60 Hz	1.91 A	0.31 A	114	124
302X-120-240	120 Vac 50/60 Hz	0.43 A	0.26 A	114	124
	240 Vac 50/60 Hz	0.26 A	0.13 A	114	124

HAZARDOUS LOCATION RATING: **302X**

T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C		
HAZARDOUS LOCATION	**40ºC**	**66ºC**
Class I, Division 1, Groups B, C, D	T6	T6
Class I, Division 2, Group A	T4A	T4
Class II, Division 2, Groups F, G	T6	T6
Class III	T6	T6



SPECIFICATIONS

Operating Temperature:	-67° to 151°F (-55° to 66°C)
Rated Power:	30 watt
Net Weight:	
24 Vac/dc	16.4 lb (7.4 kg)
120/240 Vac	17.7 lb (8.0 kg)
Shipping Weight:	
24 Vac/dc	32.4 lb (14.7 kg)
120/240 Vac	33.7 lb (15.3 kg)
Height:	18.80 in (477.5 mm)
Width:	16.70 in (424.2 mm)
Depth:	19.50 in (495.3 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

302X – **024**

TYPE
302X

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

REPLACEMENT PARTS

PCBA, 30 W, 24 Vac/dc	**K2005618B-04**
PCBA, 30 W, 120/240 Vac	**K2005618B-06**
Projector Horn Assembly, 30 W, Gray	**K85931001A**
Mounting Bracket Assembly	**K8593071A**
Gasket, Diaphram	**K8590243A**