

Most manufacturing facilities use traditional or electronic horns to sound alarms related to conditions on machines or processes. In general, the bells, sirens and tones used are standard sounds created by the horn manufacturer. However, an increasing number of customers are looking for the ability to customize their alarms and even create detailed messages. The new Allen-Bradley® Recordable Horn allows users to download voice, melodies or customized tones from any analog device or record messages directly to the unit via the on-board microphone.

Features

- On-board microphone – ideal for single-device installations
- Built-in audio input that allows recording from any analog source
- Master/Slave Capability – Replicate content from one horn (Master) to another (Slave)
- Synchronized output capability for multi-horn installations
- Separate volume control for recorded content and alarm tones
- Four remotely selectable alarm stages
- 45 alarm tones selectable via DIP Switch
- No proprietary software required, and no third-party firmware message for format conversion
- CE and cULus Type 4/4X/13/3R, IP66 listed

The new Allen-Bradley 855 Recordable Horn is a flexible, high-output signaling solution that provides customized alarm and/or message capabilities for industrial applications



Product Description

The new 855H Recordable Horn provides a solution for applications that require an additional level of audible indication beyond the traditional sounder tones.

The 855H is an electronic recordable horn that allows you to record your own messages directly into the unit via the on-board microphone or download from any analog device (such as PC, MP-3 player, etc.) without purchasing additional hardware. It reproduces clear, customized messages that can be used to provide specific directions regarding actions to take when an alarm is sounded.

The 855H Recordable Horn is available in three frame sizes and form factors to suit a wide range of applications:

- Frame C up to 101dB(A) at 1 m for Voice and 111dB(A) at 1 m for Tone output
- Frame E and Flare Style up to 111dB(A) at 1 m for Voice and 126dB(A) at 1m for Tone output

In addition, combination Horn & Beacon units are available in Frame C and Frame E sizes. The LED beacon is available in red, green or amber and can be configured in the field for steady or flashing operation.

The new 855H Recordable Horns are available with extended voltage ranges (10...30V DC and 90...260V AC) to allow for reduced inventory and enhanced flexibility to suit a wide range of applications. Plus, messages can be created in any language, making the 855 recordable horn a truly global signaling solution.

Product Specifications:

- Operating Voltage:
 - Horns DC Versions:
 - Frame C: 10...30V DC
 - Frame E and FlareStyle: 14...30V DC
 - Horns AC Versions:
 - All Frames: 90...260V AC, 50/60 Hz
 - Horns with LED Beacons:
 - Frame C: 12...30V DC
 - Frame E: 14...30V DC
 - Frames C and E: 90...260V AC
- Maximum Sound Output Level at 1 m
 - Frame C: 110 dB(A) Tone, 103 dB(A) music, 101dB(A) Voice
 - Frame E and Flare: 126 dB(A) Tone, 112 dB(A) music, 111dB(A) Voice
- Ingress Rating:
 - Frame C and Frame E: UL Type 3R, 4/4X, 13, IP66
 - Flare Style: UL Type 3R, 4/4X, 13, IP66/67
- Operating temperature Rating:
 - All versions: -25...+55° C (-13...+131° F)

User friendly – No additional hardware or software required to record a message.

Unique Recording Features:

- Two minutes total recording capacity split in 4 channels (stages) of 30 sec. max per channel
- Exceptional CD Quality recording
 - 32 KHz recording sample rate
 - 16 KHz playback sample rate that produces exceptional clarity
- Line Level Peak indicator that indicates that output volume has been set at the optimal level at the source device and ensures maximum SPL (Sound Pressure Level) at message playback
- “Message only” or “Message and Tone” Playback selectable
- “Play-through” capability that allows the user to listen to content as it is being recorded or when downloading from an analog source
- No complicated message format conversion required



Frame C Combo
(AC Version)



Frame E
(AC & DC Version)



Flare Style
(All Version)

Recordable Horns Catalog Number Configuration

855H- RC 30 C 3
 a b c d

a

Horn Type	
Code	Description
R	Recordable Horn
RC	Recordable Horn with LED

b

Voltage*	
Code	Description
30*	12...30V DC
45	90...260V AC 50/60Hz

c

Frame	
Code	Description
C	Frame C
E	Frame E
F	Flare Style

d

Lens Color	
Code	Description
Blank	No Light
3	Green
4	Red
5	Amber

Lens color must be “Blank” for horn type R
 Lens color cannot be “Blank” for horn type RC
 Frame “F” not valid with horn type RC
 *Code 30 is 10...30V DC for Frame C Horn Only
 *Code 30 is 12...30V DC for Frame C Horn with Beacon Only
 *Code 30 is 14...30V DC for Frame E and Flare Style Horns
 *Code 30 is 14...30V DC for Frame E Horn with Beacon

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