

# TimberWolf Siren

Unsurpassed Quality And Proven  
Technology Able To Penetrate Today's Cars.



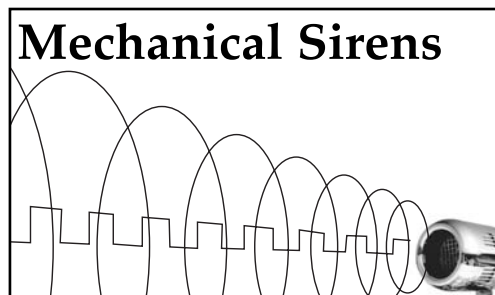
## The Industry's Only 28 Amp Mechanical Siren

123 db of piercing warning engineered to fit anywhere

### HOW DOES A MECHANICAL SIREN WORK?

Mechanical Sirens pump air, compressing and accelerating it to more than 130,000 inches per minute (or 124 miles per hour) where a rotor pulses it, off on, off on in a square wave form which spirals at 9,000 revolutions per minute as it expands from the 2 3/4 inch diameter guiding throat.

The Mechanical Siren's spiraling wave is like an ocean's wave curl projected from a short guiding throat, on off on off, making the Whoop sound. The **operator controls** the volume and the pattern with the foot switch.



*A mechanical siren produces a spiraling square wave, thus offering a very strong and focused pattern*

### ELECTRONIC SIRENS

Electronic Sirens translate a transistor generated signal to an electro magnetic driver which pulses a 3/4 inch diameter diaphragm back and forth rigorously 1/32 inch to move the air in a sine wave form, creating the familiar Whoop Whoop sound projected from the speaker horn.

The electronic siren works like an ice cream truck speaker, creating sine waves like ripples on the lake which go and go and go in all directions.

### THE WAVES ARE DIFFERENT, BUT HOW DO THEY AFFECT ME?

The electronic siren wave pattern is spotty and tends to have dead spots. The electronic siren waves roll and can pass over a vehicle. Did you ever hear someone say, "I didn't even hear the siren." and there was the Fire Truck, or the Ambulance, or the Police Car, next to me!! ??

The Mechanical Siren's waves are projected in an expanding spiral line to encompass entire vehicles, and to penetrate thru them, causing the air within the car to vibrate, so one can't ignore the siren, alerting the driver and passengers to the possible approaching danger.

### HOW DOES A MECHANICAL SIREN AFFECT THE COMMUNITY?

Because the mechanical siren produces a spiraling square wave, directed by the tuned throat to expand in a narrow pattern, one can not only hear the approaching siren, but can also discern the direction it is traveling. Another advantage is that the waves deaden out, as their spiraling components strike the ground and other porous surfaces. For this reason, one does not hear emergency vehicles with mechanical sirens thru the night from all over the town.

### BUT, I ALREADY HAVE A SIREN AND IT IS THE PUBLIC ADDRESS AND

### RE-BROADCAST SYSTEM TOO!

To this we say no, you do have a public address and rebroadcast speaker which makes sine waves. But no! You do not have a siren engineered to penetrate cars, the TimberWolf siren does.

# TimberWolf Siren

**Powerful Penetrating Square Wave Sound  
Engineered To Penetrate Every Car**

## SIZED TO FIT ANYWHERE

**The Industry's Only 12 Volt, 28 Amp,  
123db Mechanical Siren**



### HORN NOSE

45 T6 M2 C2 F2 A2&11

- Streamline Cover  Pedestal



### BLACK STREAMLINE NOSE

45 T6 M3 C3 F3 A2

- Push Bumper Mount  Vinyl Cover



### STREAMLINE NOSE

45 T6 M3 C3 F2 A2

- Vinyl Cover  Under Bumper



### BLACK STREAMLINE NOSE

45 T6 M5 C3 F3 A3

- Ford Crown Victoria  Vinyl Cover



### STREAMLINE NOSE

45 T6 M4 C3 F2 A8

- Circular Flange  Vinyl Cover



### REAR VIEW

45 T6 M4 C3 F2 A8

- Circular Flange  Vinyl Cover



### AUTO TIMER

A6

- Internal Mount



### STREAMLINE

45 T6 M2 C2 F2 A2

- Nose & Cover  Pedestal

TimberWolf Siren is shipped complete and ready to install. Pre-wired with 10ft of wire, includes foot switch, magnetic relay, circuit breaker, stainless steel mounting hardware.

Optional Automatic Cyler is available. A solid state timer cycles the siren automatically. Adjustable time on and time off. The foot switch overrides the cyler for instantaneous control. Timer automatically resets to continue from time off.

Standard mounting brackets (or flange) are included and available to fit most vehicles.

### TWO YEAR WARRANTY

### TIMBERWOLF SIREN SPECIFICATIONS

Sound Level .....123 db with sound directing throat  
Diameter.....5" inches  
Length.....10.5 in.  
Weight.....14 lbs  
Amps .....Running 28  
Amps .....In Rush 78  
Volts.....12 Volt Standard (24 Volts Opt.)  
Wire Gage .....8

### CUSTOM ORDER NUMBER SYSTEM

**Model = 45**

#### Tone

T5.....Low Tone, 750 Cycles per second,  
Horn Nose (Standard)  
T6.....High Tone, 900 Cycles per second,  
Streamline Nose (Standard)

#### Mount

M1 .....None, bolt direct to motor end bell  
M2.....Pedestal 1 1/2 high, Triangle Base,  
3 each - 3/8 dia bolts  
M3.....Bracket, 1/4 high, Rectangle Base, 4 each - 1/4 dia  
bolts, Push bumper & Ford E Series (low, thru skirt)  
M4.....Circular Flange, 7 1/8 diameter  
with 5 3/4 pilot hole  
M5...Ford Crown Victoria, 2000-2003 (behind grill)  
M6.....Bracket, 2 bolt angled - 3/8 dia bolts,  
Ford E Series (high, thru bumper & skirt)

#### Cover

C1 .....None  
C2.....Streamline  
C3 .....Vinyl Boot

#### Finish

F1.....None, clear anodize, aluminum color  
F2.....Chrome plate  
F3.....Black hard anodize, satan black color

#### Accessories

A1 .....No wire, no switches  
A2.....Standard, 10 feet of wire, 1 foot switch,  
magnetic relay under cover/boot  
A3.....5 feet of wire, 1 foot switch  
A4.....20 feet of wire, 1 foot switch  
A5 .....2 foot switches  
A6 .....Auto timer  
A8.....Remote position magnetic relay  
A9.....Low temperature service, teflon coating  
A10.....Low temperature, heat tape system  
A11 .....Horn Nose, 6 inch diameter