

## SPECIFICATIONS

### Construction:

Heavy-duty cast housing finished in corrosion-resistant gray acrylic paint

### Mechanical Connection of Driver:

Standard 1/2-inch pipe thread to match threaded conduit entrance port of the driver

### Recommended Driver:

7110XC explosion-proof driver

### Dimensions,

#### Height:

5.7 cm (2.3 in.)

#### Width:

3.2 cm (1.3 in.)

#### Length:

10.8 cm (4.3 in.)

### Net Weight (with cable):

0.57 kg (1.25 lb)

## UNDERWRITERS' LABORATORIES APPROVED EXPLOSION-PROOF CLASSIFICATIONS:

### Class I

Environmental characteristics as follows:

**Group B:** Hydrogen-air

**Group C:** Atmosphere containing ethyl-ether, ethylene, cyclopropane

**Group D:** Atmosphere containing gasoline, petroleum, naphtha, alcohol, acetone, lacquer solvent and natural gas, benzene, butane, propane and benzol

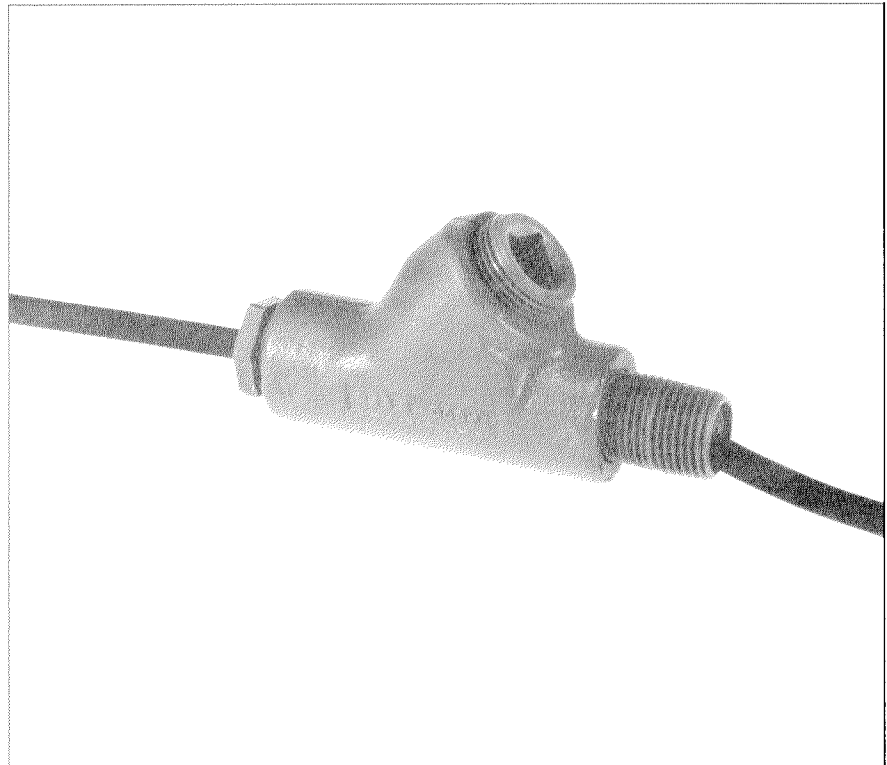
### Class II

Environmental characteristics as follows:

**Group E:** Atmosphere containing metallic dust such as aluminum and magnesium

**Group F:** Atmosphere containing carbon, coal, coke dust

**Group G:** Atmosphere containing grain, starch and flour dust



# PS1

# Explosion-Proof Pressure Seal Connector

## DESCRIPTION

The University Sound Model PS1 Explosion-Proof Pressure Seal Connector is an accessory specially designed for use with University Model 7110XC Explosion-Proof Driver. The Model PS1 is Underwriters' Laboratories approved for explosion-proof classifications Class I—Groups B, C and D, and Class II—Groups E, F and G. An airtight cable entrance into the explosion-proof driver is provided by the PS1, eliminating the need for more costly and elaborate pressurized conduit housing systems. The 70-volt distribution lines from the amplifier may be readily affixed to the supporting structure of the driver horn, or with the desired type of standard, easy to install, electrical conduit. The Model PS1 is constructed of a heavy cast housing, and finished in a corrosion-resistant, gun-metal gray acrylic type paint. This finish color matches that of the Model 7110XC driver.

A type 18/2SV cable, cut to 18' length, is available factory installed in the PS1. Attachment of the pressure seal connector to the driver is easily made in the field by simply screwing the unit into the 1/2" threaded conduit entrance provided.

## INSTALLATION INSTRUCTIONS

As the Model PS1 Pressure Seal Connector is supplied complete with a factory-installed cable, attachment to the driver unit is easily accomplished in the field.

To gain entrance to the matching transformer of the Model 7110XC Explosion-Proof Driver, it will be necessary to remove the driver's rear housing. This is accomplished by removing the six bolts securing the front and rear halves of the housing. Save this hardware, as it will be needed when reassembling the driver. It is recommended that the rear housing be removed prior to attaching the Model PS1 connector. Insert the cable end extending through the threaded end of the connector into the threaded conduit entrance port of the driver. **Do not** connect the cable leads to the matching transformer at this time. Screw the PS1 into the conduit entrance port, being very careful that the threads are properly aligned. Rotate the PS1 clockwise until tight.

Connect the leads of the PS1 cable to the desired impedance tap on the matching transformer, and reassemble the rear housing of the driver. This completes the installation of the Model PS1 Pressure Seal Connector. NOTE: To further facilitate ease of installation of the PS1 connector, we strongly recommend the above procedure be made prior to installing the driver unit on the horn.

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The pressure seal connector shall be EXPLOSION-PROOF, and approved by Underwriters' Laboratories for use in hazardous areas specifically designated as Class I—Groups B, C and D, and Class II—Groups E, F and G. Model PS1 shall provide an airtight, explosion-proof cable entrance into the housing of University Sound Model 7110XC Explosion-Proof Driver. The connector shall be attached to the driver by means of standard 1/2" pipe threads, which allows it to be screwed into the conduit entrance provided in the housing. A type 18/2SV cable, cut to 18' length, shall be factory installed in the PS1. The unit shall have over-all maximum dimensions not exceeding 5.7 cm (2.3 in.) high, 3.2 cm (1.3 in.) wide and 10.8 cm (4.3 in.) long, and net weight (including cable) shall be approximately 0.57 kg (1.25 lb). The pressure seal connector shall be the University Sound PS1 and shall utilize a heavy cast housing which shall be electroplated and finished in an acrylic gray paint for maximum corrosion resistance.

**WARRANTY (Limited)** — University Sound Speakers and Speaker Systems (excluding active electronics) are guaranteed for five years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to University Sound. Unit will be returned prepaid. Warranty does not extend to finish, appearance items, burned coils, or malfunction due to abuse or operation under other than specified conditions, including cone and/or coil damage resulting from improperly designed enclosures, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than University Sound will void this guarantee. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Service and repair information for this product: University Sound, Inc.,  
Phone 818/362-9516, FAX 818/367-5292.

Applications and technical information for University Sound products:  
University Sound, Inc., Technical  
Coordinator, Phone 818/362-9516,  
FAX 818/367-5292.

Specifications subject to change  
without notice.