Explosive Atmosphere Line Powered Telephone Ringer

Model EA20R

Installation and Operation
Table of Contents

Package Contents ................................................................. 2
Overview .............................................................................. 3
Features .............................................................................. 3
Installing the EA20R .......................................................... 6
Maintenance ........................................................................ 6
Engineering Specifications .................................................. 7
Warranty ............................................................................. 8
Disclaimer .......................................................................... 8
Warning ........................................................................... 8
Service Telephone Number ................................................ 8
Avaya Product Return ........................................................ 9

Table of Figures

Figure 1 - Overall Dimensions ......................................... 4
Figure 2 - Electrical Connections ...................................... 4
Figure 3 - Wiring Alternatives ............................................ 5

Package Contents

(1) EA20R Explosive Atmosphere Line Powered Ringer
(1) Installation & Operation Manual
Overview

*EA20R Explosive Atmosphere Line Powered Telephone Ringer*

The EA20R is an Industrial Telephone Ringer designed to provide safe, reliable service in hazardous areas. It is telephone line powered requiring no additional source of power. The unit is housed in a rugged, weather and corrosion resistant enclosure that ensures operation in severe conditions.

The EA20R responds to an incoming ringing signal of 42 to 110 VAC at 16 to 25 Hz.

Features

*Enclosure*
- cast copper free aluminum, powder coated

*Flame Arrestor*
- Sintered Bronze

*Sound Levels*
- Greater than 85dB at one meter

*Compatibility*
- Compatible with any telephone system having ringing voltage, frequency and power available within the specified range
Figure 1 - Overall Dimensions

Figure 2 - Electrical Connections
Figure 3 - Wiring Alternatives
Installing the EA20R

Note: The EA20R must be connected to the tip and ring conductors associated with the telephone for which the additional alerting signal is required. The connection may be made either before or after the telephone or it may branch off from a junction box.

- Declassify the hazardous location before proceeding with any installation or electrical wiring.

**WARNING**

Do not connect this device to any power source other than telephone tip and ring, doing so will destroy the circuitry and void the warranty.

- Follow all appropriate electrical codes and use only approved electrical fittings for the installation.
- Choose a wall location that is free of obstructions and permits space for ½” NPT conduit runs.
- Ensure mounting can support 5 lbs (2.3 kgs) and any additional anticipated load.
- Ensure that none of the electrical connection circuits are live.
- Secure the unit using screws or bolts through the mounting tabs.
- Remove the screw cover.
- Run tip and ring wiring to the unit using appropriate electrical fittings.
- Attach the telephone tip and ring leads to the terminal strip.
- Replace the screw cover ensuring that the faces of the cover and the enclosure are in contact.
- Apply power to the system.
- Test the unit by calling from another unit on the exchange.

### Maintenance

- Declassify the hazardous location or disconnect the line before proceeding with any maintenance or repairs.
- To maintain hazardous area compliance the only field repair permitted is the replacement of the driver assembly. All other repairs or alterations must be carried out by Avaya or an Authorized Service Depot. See Warranty and Disclaimer for details.
- When replacing the screw cover ensure that the faces of the cover and the enclosure are in contact.
<table>
<thead>
<tr>
<th><strong>Engineering Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical Performance</strong></td>
</tr>
<tr>
<td>RINGER OUTPUT</td>
</tr>
<tr>
<td>IMPEDANCE</td>
</tr>
<tr>
<td>MAXIMUM LOOP</td>
</tr>
<tr>
<td>RINGER EQUIVALENCE NUMBER (REN)</td>
</tr>
<tr>
<td><strong>Electrical Requirements</strong></td>
</tr>
<tr>
<td>RINGER SENSITIVITY</td>
</tr>
<tr>
<td>CONNECTION METHOD</td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
</tr>
<tr>
<td>WEATHER AND CORROSION RESISTANT</td>
</tr>
<tr>
<td>TEMPERATURE</td>
</tr>
<tr>
<td>HUMIDITY</td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
</tr>
<tr>
<td>BODY CONSTRUCTION</td>
</tr>
<tr>
<td>FLAME ARRESTOR</td>
</tr>
<tr>
<td>DIMENSIONS (H x W x D)</td>
</tr>
<tr>
<td>NET WEIGHT</td>
</tr>
<tr>
<td>WIRING ACCESS</td>
</tr>
<tr>
<td><strong>Compliance</strong></td>
</tr>
<tr>
<td>CANADIAN STANDARDS ASSOCIATION (CSA)</td>
</tr>
<tr>
<td>EA20R</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>UNDERWRITERS LABORATORIES (UL)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Warranty

Avaya warrants your product to be free of defects in material and workmanship for a period of one year. Avaya will repair or replace any defective unit that is under warranty.

This warranty is null and void if any non-authorized modifications have been made to this product, or if it has been subjected to misuse, neglect, or accident. This warranty covers bench repairs only; such repairs must be made at Avaya or an authorized service depot. Avaya is not responsible for costs incurred for on-site service calls, freight, or brokerage.

A return authorization must be obtained prior to warranty claims or repairs.

Disclaimer

The products covered by this manual are designed for use in Industrial Environments and/or Hazardous Locations. Due to the range of possible applications for these instruments the manufacturer will not be responsible for damages or losses of any kind suffered as a result of the use of this product, including consequential damages.

Warning

For the purposes of installing the product and performing maintenance or repairs this device may be opened and reassembled by qualified personnel, following the instructions in the product manual. In the cases of explosion proof and hazardous area devices it is imperative that mating surfaces be clean and undamaged prior to reassembly and that fasteners be made up to the specified torque.

Service Telephone Number

Avaya provides a customer service telephone number which is toll-free within North America. If you need assistance when installing or operating this product, please call the toll-free telephone number between regular business hours (8:00AM-5:00PM), Eastern Standard Time. If you are calling outside of regular business hours, please leave a detailed message, and a member of Avaya’s Service Department will return your call as soon as possible. If your product requires service, Avaya personnel will supply you with an RMA (return materials authorization) number over the telephone or through our web site product return page. This number must be included with your return address and the name of the person to contact.
Avaya Inc.

Installation and Operation
Model EA20R

Avaya Product Return

Avaya products have been quality tested and are in full working order when shipped from the factory, given the rugged nature of these products shipping is not expected to damage a unit. In the unlikely event of a malfunction, Avaya follows the three step procedure below.

**Step I - On-Site Correction**

- The most common source of difficulties with a new product is improper installation in one of two ways: incorrect wiring connections or connection to an incorrect power source.
- Product wiring needs to be properly connected to the on-site wiring. Correct wiring instructions are shown in the user manual included with the product.
- Connecting this device to a standard power source, rather than tip & ring, will destroy the circuitry and void the warranty.

**Step II - Return Materials Authorization (RMA)**

- When a product has been installed following user manual instructions, and the unit fails to operate, the user must contact Avaya to obtain authorization to return the product. This can be done by completing a RMA form online at www.Avaya.com, or by calling the service telephone number given in this manual.
- After providing information on the product, the owner and the nature of the problem, Avaya will issue a RMA number, to be shown on documentation returned with the product.
- In addition to the RMA number, shipping documents should include name, address and telephone number of the owner along with contact information for the person responsible for the repair and/or the user who identified the malfunction.
- (Where a product is being returned for repair from outside of USA, customs documentation must show the product’s serial number, date of export [date of purchase], and a notation that the equipment is: “USA goods returning.”)

**Step III - Factory Authorized Service**

- Once received, each product is carefully inspected and tested. If the product is under warranty, repairs are completed and the product returned to the owner, generally within five working days of receipt by the factory.
- A product that has been subjected to misuse, neglect or accident or is beyond the warranty period will be evaluated. The service department will provide the owner’s representative with a repair cost estimate. Once approved, repairs are completed and the product returned, generally within five working days.
### Notes:

<table>
<thead>
<tr>
<th>Model No.</th>
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<tbody>
<tr>
<td>Part No.</td>
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<tr>
<td>Serial No.</td>
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<tr>
<td>Date of Purchase</td>
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</tbody>
</table>

