Wireless Receiver/Repeater version for use with a STAPS Steam Trap Monitoring System

Description
The STAPS wireless receiver/repeater version is specifically designed for use with the STAPS wireless steam trap monitoring system, within hazardous areas. In conjunction with the STAPS head units and PC software, the STAPS receiver/repeater, monitors steam trap operation to help ensure optimum plant performance.

Certification and Approvals
EMC Emissions and immunity:
- Emissions class B and Industrial immunity.
- EN 61326-2-1: 2006
- EN 61326-2-3: 2006

Hazardous area approvals
IECEx certification and ATEX intrinsic safety certification.
CSA 22.2

IECEX certification and equipment protection level
Gas               Ex d IIC T4 Gb
Dust              Ex tb IIIC T135°C Db
Tamb             -20°C to +70°C

Standards used     IEC 60079-0, IEC 60079-1 and IEC 60079-31
Certificate number IECEX SIR 14.0070X

European certification
EN 60079-0, EN 60079-1 and EN 60079-31

Technical information
Mains powered     60 to 264 Vac, 47 to 63 Hz
Current           0.7 A, 115 Vac
Maximum altitude  3 000 m (0.7 bar atmospheric)
Ambient temperature range -20 to +70°C
Maximum relative humidity 95%
Enclosure rating   IP66 (Excluding external power supply)
Input/Output (I/O) IEE 802.15 2.4 GHz RJ45 port
Operating modes   Receiver or repeater

Materials
- Enclosure: Copper free aluminium alloy
- Antenna: RPTFE
How to order
Example: 1 - STAPS receiver/repeater Ex version for use with a STAPS wireless steam trap monitoring system.

Safety information, installation and maintenance
For full details see the Installation and Maintenance Instructions (IM-P014-05) supplied with the product.

Disposal
This product is recyclable. No ecological hazard is anticipated with the disposal of this product, provided due care is taken.

Spare parts
The spare parts available are shown in solid outline. Parts drawn in broken line are not supplied as spares.

Available spare
Enclosure ‘O’ ring

How to order spares
Always order spares by using the description given in the column headed ‘Available spare’.
Example: 1 - Enclosure ‘O’ ring for a STAPS receiver/repeater Ex version.

Dimensions/weights (approximate) in mm and kg

<table>
<thead>
<tr>
<th>A</th>
<th>A1</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>E1</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>195</td>
<td>174</td>
<td>20</td>
<td>110</td>
<td>174</td>
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<td>140</td>
<td>111</td>
<td>36</td>
<td>81</td>
<td>141.5</td>
<td>66.5</td>
<td>33</td>
<td>71.5</td>
<td>4.5 kg</td>
</tr>
</tbody>
</table>

STAPS Wireless Receiver/Repeater Ex version for use with a STAPS Steam Trap Monitoring System