3014 STATIC ELIMINATOR

The 3014 introduces new standards in performance and size in a 24 V DC static eliminator. It offers market leading performance in a very compact bar.

The 3014 offers all of the performance and control benefits of 24 V DC technology in a compact and inexpensive design.

PERFORMANCE
- 7.5 kV of ionising power.
- 20 mm emitter pitch for intense ionisation.
- Unique field overlap technology for enhanced performance.
- Operating distance: 20 - 150 mm.

ESSENTIAL QUALITIES
- Fully encapsulated electronics.
- Tungsten emitters guarantee an unlimited life.
- Shockless operation.
- 24 V DC operation.

CONNECTIVITY AND CONTROL
- LED indication of operational status of bar and whether it needs cleaning.
- Duplicate remote signals for PLC or to power external lamps, relays.
- Remote on/off switching.

APPLICATIONS
- The 3014 was designed to be a high technology replacement for traditional short range AC static eliminator bars. It is used throughout industry.

SPECIFICATION

Construction:
FR-ABS industrial grade extrusion, epoxy resin, tungsten emitters.

Output Voltage:
Up to 7.5 kV supply integrated into bar.

Remote Monitor / Local Status Indication:
Signals available: 'Bar OK', 'Clean Me' and 'Fault'. Compatible with IEC 61131-2 Type 1 and Type 3 PLC inputs. Signal protected against shorting and miswiring. Bi-colour LED on endcap for local status indication.

Electrical Input:
24 V DC (21-28 V), max current 0.5 A. M8 x 4-pin connector.
M8 x 4 core cable to be ordered separately.

Environmental:
0 - 55 °C, 70 % rH non-condensing max. IP67. Fully sealed.

Certification:
CE, CB and UL.

Options:
100 – 250 V AC-DC 24 V Power Supply (Part No: E3024-PSU).
Air Knife mounted - see 5000/5100 and 5500.
Air Bar mounted.
DIMENSIONS AND CONSTRUCTION

Dimensions: Profile 20 x 32.5 mm (WxH). Available lengths: 250 mm then in 40 mm steps to 4010 mm. Active length = 20 mm less than overall length.

Weight: 0.25 m = 0.28 kg then 0.51 kg per additional metre.

MOUNTING

Each 'T' fixing has one M6 x 40 mm stud and flange nut.

Two 'T' fixings are supplied for bars up to 1000 mm, plus 1 extra for every additional 500 mm.

Other stud lengths are available, contact the manufacturer for details.

ACCESSORIES AND SPARES

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>3m cable with 180° connector</td>
<td>80892</td>
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<tr>
<td>5m cable with 180° connector</td>
<td>80930</td>
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<tr>
<td>7.5m cable with 180° connector</td>
<td>80931</td>
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<tr>
<td>10m cable with 180° connector</td>
<td>80932</td>
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<tr>
<td>Additional Mounting Set</td>
<td>30248</td>
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<tr>
<td>3m cable with 90° connector</td>
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<tr>
<td>5m cable with 90° connector</td>
<td>80934</td>
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<td>7.5m cable with 90° connector</td>
<td>80935</td>
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<tr>
<td>10m cable with 90° connector</td>
<td>80936</td>
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<tr>
<td>Universal AC-DC power supply*: 100 - 250 V AC, 24 V DC output fitted with 1.5 m of cable</td>
<td>E3024-PSU</td>
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Cables must be ordered separately in addition to the bar. They have standard M8 4-pin female connectors.

* Do not use ANY other standard power supplies with this product. Third party power supplies WILL cause damage and void warranty.