Rens L240
Metal Detector
With Shield X Search Coil

Features

- Fail Safe Electronics Design
- Function Monitor System
- Ten Sensitivity Settings
- Two Control Relays
- Modular Construction (plug-in electronic modules)
- Nema 12 Steel Cabinet (other NEMA rating cabinets are available)
- Wide Temperature Operating Range (-15° C to +55° C Ambient Air Temperature)
- Large Meter Readout
- Manual or Automatic Reset Mode
- Wide Selection of Search Coils
- Power Input Option - 120/240V (50-60 Hz, AC 1 Phase)
- Ferrous & Non-ferrous Metal Detection
- Two year Warranty

RENS Model L240 Control Instrument has proven itself in hundreds of installations in the United States, Canada, and in other countries.

In combination with a RENS Shielded Search Coil it is highly cost efficient and effective in almost all operating environments.

Custom built Fiberglass sections for the Search Coil installation area are also available.

Installation

Install fiberglass or wood conveyor section and Search Coil at adequate distance from chipper infeed spout to allow for belt travel after Detector stops drive motor.

Secure Search Coil with lightly driven wood shims at the sides of the coil.
Shield X

RENS under conveyor Search Coils are designed for use with belt, vibrating and other custom conveyor systems. The Shield X design allows coil operation in difficult environmental surroundings.

Rugged construction, interior shock proofing and an all weather terminal box combine for long trouble free service.

**Sensitivity Table**

<table>
<thead>
<tr>
<th>Scanning Width</th>
<th>A10 Detection Height</th>
<th>A20 Detection Height</th>
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<tbody>
<tr>
<td>14&quot;</td>
<td>9½&quot;</td>
<td>---</td>
</tr>
<tr>
<td>20&quot;</td>
<td>9&quot;</td>
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</tr>
<tr>
<td>24&quot;</td>
<td>8½&quot;</td>
<td>13&quot;</td>
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<td>30&quot;</td>
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<td>54&quot;</td>
<td>5½&quot;</td>
<td>10&quot;</td>
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<tr>
<td>60&quot;</td>
<td>5&quot;</td>
<td>9½&quot;</td>
</tr>
</tbody>
</table>

Maximum detection height of 1" steel ball at high sensitivity setting and in the optimum belt speed range of 100-350fpm.

**Special Requirements:** Conveyor belt must be vulcanized. Metallic fasteners may not be used.

A 50' length of shielded cable is furnished to connect Search Coil to Control Instrument. Control Instrument must be at least three feet away from the Coil.

The L240 can be combined with either the standard A10 Coil or the High Powered A20 Coil depending on sensitivity requirements.