FlexSys Underfloor Air Terminal (Variable Volume)

**Model:** MIT3 - CR

**DESCRIPTION:**

MIT3-CR (Modular Integrated Terminal) is a variable volume air terminal for use in raised floor air systems. It features 20 gauge (1mm) galvanized steel construction, pre-painted flat black.

The air valve uses time modulation to vary total air delivered to a conditioned space. Air velocity is constant any time the valve is open; the short time duration between air pulses results in a sensation of continuous air delivered with consistent flow. The air valve is rated for 24V (18-30VAC) operation. One (1) PAP-1 Plug & Play Cable is included.

The nominal 10” (254mm) diameter cast aluminum grille includes two separate inserts, which can be configured to create alternate air throw patterns. Ten (10) standard colors are available; custom colors and finishes can be provided to match architectural design (specify on order).

**FEATURES:**
- Robust cast aluminum grille frame
- DC synchronized magnetic motor
- Welded and riveted pre-painted galvanized steel
- Multi-function circuit board for varying control strategies

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Application</th>
<th>Underfloor Cooling</th>
<th>Raised Access Floors 8” (203mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grille Dimensions:</strong></td>
<td>Diffuser: 10&quot;Ø (254mm)</td>
<td>Face: 11.3&quot;Ø (287mm)</td>
</tr>
<tr>
<td><strong>Diameter (Nominal):</strong></td>
<td>Floor Tile Cut-Out: 10.25&quot;Ø [+1.25/-0.00] (260mm [+3.175/-0.00])</td>
<td></td>
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<tr>
<td><strong>Grille Rating:</strong></td>
<td>Cast Aluminum</td>
<td>Conforms to NFPA 90a</td>
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<tr>
<td><strong>Supply Press. / Temp.:</strong></td>
<td>0.02–0.1 in. H₂O (5–25 Pa)</td>
<td>40–120°F (4–49°C)</td>
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<tr>
<td><strong>Capacity (Nominal):</strong></td>
<td>130 cfm @ 0.05 in. H₂O (221 m³/hr @ 12.5 Pa)</td>
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<td><strong>Noise Criterion:</strong></td>
<td>≤ NC-17 (All Flow Conditions)</td>
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**FIGURE A**

- Both Grille Inserts show the flair/angled opening facing UP

**AIR FLOW = REDUCED**

**FIGURE B**

- Left Side of the Grille Insert shows the flair/angled opening facing UP; Right Side of the Grille Insert shows the flair/angled opening facing DOWN

- **OR** –

- Both Grille Inserts show the flair/angled opening facing DOWN

With the Grille Inserts in either of these positions: AIR FLOW = INCREASED