The Southco Dynamic Mounting Arm

- Enhances the user experience combining, smooth intuitive operation with secure holding
- Precise operating efforts with no adjustment or maintenance
- Integrated wire management for a clean look
**AV Series Dynamic Mounting Arm**
Tilt, Swivel and Swing

- Intuitive grab and move operation enhances the user experience
  - No knobs or tools required to reposition the display
  - Precise control of operating effort ensures ideal “feel” and eliminates “drift”
  - Holds securely, even in applications with dynamic loading

- Low profile in the stowed position
  - Folds to within 50 mm of the wall

- Snap-open channels simplify wire management
  - Easy display installation and replacement

- Factory assembled and ready for use

**Product Detail**

![Wire channel in open position](image.png)

- Wire channel in open position
- Swivel ±180°
- Tilt ±20°
- Force to move arm
- Dimensions in millimeters (inch) unless otherwise stated

![Dimensions](image.png)

Dimensions: 115 (4.52), 100 (3.9), 245 (9.64), 50 (1.96), 75 (2.95), 215 (8.46), 49.9 (1.96)

VESA MIS-D, 100, C

www.southco.com/AV
### Specification and Selection

**Step 1**
Determine display weight and distance (d) from mounting surface to center of gravity.

**Step 2**
Use chart below to select model (101 or 102).

**Step 3**
Complete part number by selecting length and color options below.

### Performance Details
- Smooth operation enhances the user experience
- Adjust the display without knobs or tools
- Holds securely in every position

### Material and Finish
Aluminum alloy, powder coated

### Part Number Example
**AV-D30-25A101-50** = Dynamic mounting arm, Model 101, 250mm Length, black

---

### Chart

<table>
<thead>
<tr>
<th>Display Weight</th>
<th>Center of Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV Series Dynamic Mounting Arm</td>
<td>Tilt, Swivel and Swing</td>
</tr>
</tbody>
</table>

#### Display Mounting Surface to CG Distance cm (in)

<table>
<thead>
<tr>
<th>cm (in)</th>
<th>cm (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 (7.87)</td>
<td>18 (7.09)</td>
</tr>
<tr>
<td>16 (6.30)</td>
<td>14 (5.51)</td>
</tr>
<tr>
<td>12 (4.72)</td>
<td>10 (3.94)</td>
</tr>
<tr>
<td>8 (3.15)</td>
<td>6 (2.36)</td>
</tr>
<tr>
<td>4 (1.57)</td>
<td>2 (0.79)</td>
</tr>
</tbody>
</table>

#### Display Mass kg (lbf)

<table>
<thead>
<tr>
<th>Mass (kg)</th>
<th>Mass (lbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 (7.87)</td>
<td>18 (7.09)</td>
</tr>
<tr>
<td>16 (6.30)</td>
<td>14 (5.51)</td>
</tr>
<tr>
<td>12 (4.72)</td>
<td>10 (3.94)</td>
</tr>
<tr>
<td>8 (3.15)</td>
<td>6 (2.36)</td>
</tr>
<tr>
<td>4 (1.57)</td>
<td>2 (0.79)</td>
</tr>
</tbody>
</table>

#### Model S

<table>
<thead>
<tr>
<th>Model S</th>
<th>Force to move arm N (lb)</th>
<th>Tilt Torque N•m (in lbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>22.2 (5)</td>
<td>7.9 (70)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.13 (10)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.3 (20)</td>
</tr>
<tr>
<td>102</td>
<td>33.8 (7.6)</td>
<td>15.4 (136)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.26 (20)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.4 (30)</td>
</tr>
</tbody>
</table>

#### Part Number

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV-D30-25A101-50</td>
<td>Dynamic mounting arm, Model 101, 250mm Length, black</td>
</tr>
</tbody>
</table>

### Part Number Example

**AV - D30 - K A S - F**

**Dimensions in millimeters (inch) unless otherwise stated**
AV Series Dynamic Mounting Arm
Tilt, Swivel and Swing

Installation
1. Determine desired mounting location
2. Mark upper and lower mounting holes. For ideal hole location, mark upper hole first, then
   use a plumb line to ensure vertical orientation between the upper and lower holes
   a. For thru-bolt installation, drill or punch holes as indicated on trade drawing and install using
      1/4-20 or M6 screws.
   b. For installation in wood studs, drill a 3/16 inch pilot hole and install using a 1/4 inch lag bolt.
      Do not over tighten.
   c. For compliant mounting surfaces (gypsum board, etc.) use optional wall plate, sold separately.
   Caution: Because of the wide variety of available wall materials, it is the installer’s responsibility to ensure
   that the materials, and structure to which the arm is mounted, and the hardware selected will provide
   adequate support.
3. Slide on mounting hardware covers and attach display using manufacturer’s recommended hardware.
4. Route wiring as needed

For complete installation and operation instructions please consult the product manual included in every package or available

to download from www.southco.com

Dimensions in millimeters (inch) unless otherwise stated

Global Corporate Headquarters and Americas Customer Service & Technical Support Center
Concordville, PA – USA · Tel: (1) 610-459-4000 · Fax: (1) 610-459-4012