The FSY Fan Speed Control controls the head pressure in air-cooled condensers by reducing the fan speed to maintain head pressure as the outside temperatures/condenser pressure drops. As the motor speed drops under lower ambient/load condition fan noise is also reduced.

The FSY is designed for use with permanent split capacitor and shaded pole fan motors, approved for use by motor/equipment manufacturers for variable voltage, phase angle (triac) speed control.

**Features**
- Connector includes 2 m. cable installed (FSF and FSO)
- Connector turnable (in 90° steps)
- Compact Design
- State-of-the-Art Electronics
- Direct mount—Easily retrofit to suitable motor
- Low Pressure “Turn Off” Operation
- Adjustable Pressure Setting
- Multiple FSX controls can be used in parallel on multi-circuit condensers
- 2 Cable types:  
  - FSF-N15 with internal circuit design to comply with EC-Directive 89/336/EC (Electromagnetic compatibility requirements for Europe)  
  - FSO-N15, standard with internal voltage spike and over current protection

**Options**
- Custom Calibration
- Other Operating Voltages/Pressure Ranges

**Specifications**
- Nominal current: 0.1 to 4 Amp max up to 104°F (40°C)  
  0.1 to 2.5 Amp max up to 140°F (60°C)  
  max. 8 Amp
- Starting current: max. 8 Amp
- Temperature Range  
  Storage and transportation: -30°C to 70°C  
  Ambient temperature: -20°C to 55°C  
  Medium temperature: -20°C to 70°C
- Pressure Operated Fan Speed Control
- Supply Voltage: 230V AC + 15-20%.
- Protection: Provide an ultimate enclosure to protect from direct rain, sunlight and external damage.
- Weight: 3-1/2 ounces
- Approvals: UL/CUL file number E183816  
  CE Low Voltage Directive 72/23/EC  
  Connector per DIN 43650

**Nomenclature**

<table>
<thead>
<tr>
<th>FS</th>
<th>Y</th>
<th>4</th>
<th>Pressure Range</th>
<th>Pressure Connection</th>
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<tbody>
<tr>
<td>Fan Speed Control</td>
<td>Series</td>
<td>Max. Current Rating</td>
<td>Pressure</td>
<td>Modulating Band</td>
</tr>
<tr>
<td>FSY-43S</td>
<td>097782</td>
<td>4x4 Amps maximum at 104°F ambient temperature</td>
<td>3 = 12.4 to 28.4 (180 to 411 psig)</td>
<td>66 psig</td>
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**Ordering Information**

<table>
<thead>
<tr>
<th>Description</th>
<th>PCN</th>
<th>Adjustable Range</th>
<th>Modulating Band</th>
<th>Factory Setting</th>
<th>Pressure Connection</th>
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<tr>
<td>FSY-43S</td>
<td>097782</td>
<td>180 to 411</td>
<td>66</td>
<td>233</td>
<td>7/16” -20 UNF Female</td>
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**Parts/Accessories**

<table>
<thead>
<tr>
<th>PCN</th>
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<tr>
<td>097995</td>
<td>FSF-N15 Cable (EMC)</td>
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<tr>
<td>097775</td>
<td>FSO-N15 Cable (standard)</td>
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