

The FSX 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 FSX 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: 0.2 to 4 Amp max up to 104°F (40°C)  
0.2 to 2.5 Amp max up to 140°F (60°C)
- 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 example: FSX-41S

FS	X	4	1			S
Fan Speed Control	Series	Max. Current Rating 4 = 4 Amps maximum at 104°F ambient temperature	Pressure Range			Pressure Connection S = 1/4" SAE female (7/16" -20 UNF) with Schrader Depressor
			Pressure Range	Modulating Band	Factory Setting	
			1 = 6.5 to 15 bar (95 to 220psig)	35 psig	11 bar (160 psig)	
			2 = 13 to 25 bar (190 to 360 psig)	55 psig	16.2 bar (235 psig)	
			3 = 12.4 to 28.4 (180 to 411 psig)	66 psig	21.8 bar (316 psig)	

## Ordering Information

Description	PCN	Adjustable Range	Modulating Band	Factory Setting	Pressure Connection
			(PSI)		
FSX-42S	097993	190 to 360	55	235	7/16" -20 UNF Female
FSX-43S	097774	180 to 411	66	316	

## Parts/Accessories

PCN	TYPE
097995	FSF-N15 Cable (EMC)
097775	FSO-N15 Cable (standard)