

FSE fan speed control module

Electronic fan speed control modules FSE generate a 0...10 V signal, which is used to control the speed of condenser fan motors in commercial refrigeration and air-conditioning systems. Ideal for use with high efficient EC-motors, but can be also used with phase cut controllers for induction motors.

Features

- Energy saving due to improved cooling efficiency
- Pressure for minimum speed adjustable
- Small proportional band and large hysteresis to minimize cycling at small pressure changes
- Reduced fan noise level during low ambient temp. conditions
- Improved overall performance of cooling system
- Easy installation with cables for power supply and motor connection factory wired
- IP 65 protection for outdoor mounting suitable for any size of EC fan motors
- UL file nr.: E355325 (Released for 43 bar)



FSE Control Modules

Selection table control modules FSE

Type	Part No.	Adjustment Range PCut*	Factory settings	Max. Allowable Pressure PS	PT	Pressure Connection
FSE-01S	804 701	4 ... 12.5 bar	7.8 bar	27 bar	30 bar	7/16" -20 UNF female
FSE-02S	804 706	10 ... 21 bar	15.5 bar	32 bar	36 bar	7/16" -20 UNF female
FSE-03S	804 711	12 ... 28 bar	20.4 bar	45 bar	50 bar	7/16" -20 UNF female

Cable assemblies for connection of FSE control module to controller

Type	Part No.	No of Leads	Diameter of Leads	Temperature Range	Cable Length
PS3-N15	804 580	3	0.75 mm ²	-25...+80°C	1.5 m
PS3-N30	804 581				3.0 m
PS3-N60	804 582				6.0 m

Technical data FSE

Supply Voltage	10 V; Supplied by Controller
Operating Current 0...10 VDC Output	Max. 1 mA
Medium Compatibility	R410A, R134a, R404a, R507, R407C, R1234ze, R452A, R448A, R449A, R450A, R513A, R22
Protection Class (IEC529/EN 60529)	IP 65 with Cable Connector Assemblies PS3-Nxx

Pressure Connection FSE-01S and FSE-02S FSE-03S	Brass Stainless Steel
Temperature Range Storage and Transportation Operation	-30 ... +70°C -20 ... +65°C
Materials Housing Cover	PA
Marking	UL (File No.E355325)