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‹FSH›
BY SCHLAGE™

High Security Sensors

FSS1 SERIES

HIGH SECURITY SENSORS

The FSS1 Series of High Security Door Monitoring Sensors are designed to provide a true high security solution for door position monitoring.

It is an award winning, state-of-the-art monitoring solution with a flush mount version for new construction, and surface mount version as a superior replacement for traditional magnetic balanced reed sensors.

Specifically developed for high security applications in government, high risk and defence installations, the FSS1 Series high security door monitoring sensors consist of seven magnetic sensors that are used to detect a unique magnetic footprint from an array of magnets on the magnetic face plate. One sensor is used to detect the position of the magnetic face plate in relation to the device, while the other six sensors are used to determine the polarity, size, strength and position of the magnets on the unique magnetic face plate in relation to the memorised pattern.
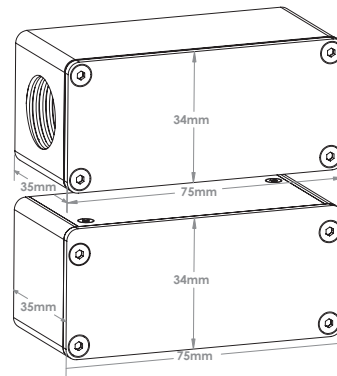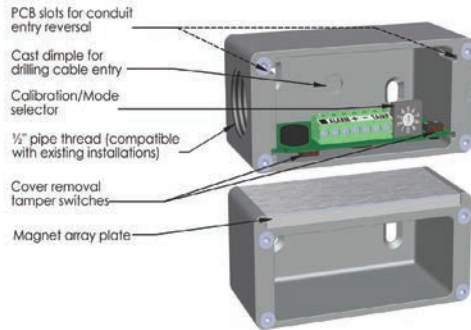
The sensor is designed to operate on a hinged door swinging in one direction. The FSS1 is equipped with sophisticated anti-tamper facilities. The product is listed in the Australian Government Security Equipment Evaluated Product List (SEEPL) and UL listed to UL 634.2.
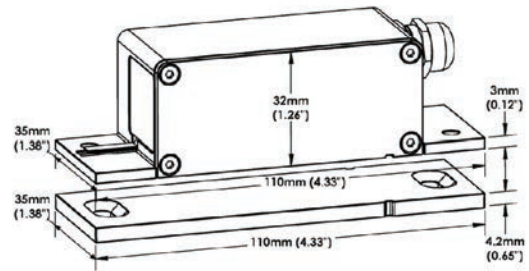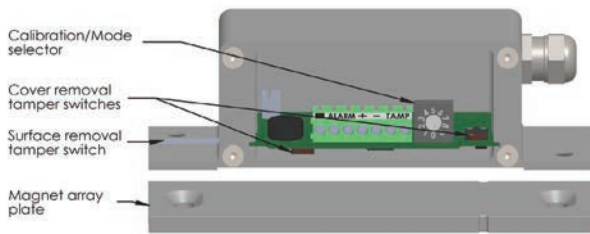
Technical Details

Part No.	FSS1-S / FSS1-S-NC	FSS1-F
Function	FSS1-S - Surface mount conduit version FSS1-S-NC -Surface mount no conduit version	Flush mount version (morticed)
Voltage/Current	10 – 30VDC/<10mA - Can now be powered by Type 1/1A and Class 5 E.O.L Modules	
Approvals / Security Level	SCEC Security Level 4 (SL4) Approved U.L. 634 Level 2 Rated to IP67 | RCM Compliant	
Alarm Contacts (2)	Circuit board x 1 for alarm, flying lead x 1 for access control etc., both N.O. & common, 0.25A @ 30V	
Tamper Contact (1)	N.C. & common, 0.2A @ 30V	
Door Gap	1.5 - 7mm vertical door gap, and up to 15mm door movement for alarm to trigger	
End of Line	Space for end-of-line encryption modules, or resistor/s	
Array Magnets	Up to 8 magnets for unique magnetic footprint	
Hall Effect Sensors	7	
Patents	Patents granted and pending worldwide based on PCT/AU2014/000210	
Manufacture	Designed & manufactured in Australia	

Product Dimensions

FSS1-S Surface mount conduit version
FSS1-S-NC surface mount no conduit version

FSS1-F flush mount version

Product Codes & Accessories

Part No.	Product Description
FSS1-ADAPTSM3	FSS1 SM3 ADAPTER PLATE
FSS1-F	FLUSH MOUNT HIGH SEC DOOR MONITOR
FSS1-L	FSS1 L BRACKET
FSS1-S	SURFACE MOUNT HIGH SEC MONITOR
FSS1-S-NC	SURFACE MOUNT HIGH SEC MONITOR –NO CONDUIT
FSS1-SLI-NC	FSS1 SLIDING DOOR NC SURFACE S (CONTACT ALLEGION BEFORE ORDERING)
FSS1-SPACE6	FSS1 6MM SPACER
FSS1-Z45	FSS1 Z BRACKET

About Allegion™

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.9 billion in revenue in 2021, and its security products are sold around the world.

For more, visit **www.allegion.com.au**

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