

High Security Sensors





FSS1 SERIES

HIGH SECURITY SENSORS





The FSSI 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 FSSI 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.

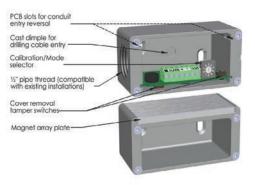
The sensor is designed to operate on a hinged door swinging in one direction. The FSSI is equipped with sophisticated anti-tamper facilities. The product is listed in the Australian Government Security Equipment Evaluated Product List (SEEPL) and UL listed to UL 634.2.

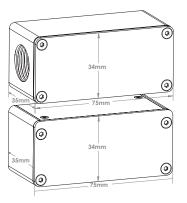
Technical Details

Part No.FSSI-S / FSSI-S-NCFSSI-FFunctionFSSI-S - Surface mount conduit version FSSI-S-NC - Surface mount no conduit versionFlush mount version (morticed)Voltage/Current10 - 30VDC/<10mA - Can now be powered by Type 1/1A and Class 5 E.O.L Modules			
Function FSSI-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	Part No.	FSSI-S / FSSI-S-NC	FSSI-F
Approvals / Security Level SCEC Security Level 4 (SL4) Approved UL 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 Up to 8 magnets for unique magnetic footprint	Function		Flush mount version (morticed)
Level SCEC security Level 4 (SL4) Approved Comparison Reted to IP671 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 Up to 8 magnets for unique magnetic footprint	Voltage/Current	10 – 30VDC/<10mA - Can now be powered by Type 1/1A and Class 5 E.O.L Modules	
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		SCEC Security Level 4 (SL4) Approved 🛛 💩 U.L. 634 Level 2 🛛 Rated to IP67 RCM Compliant	
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	Alarm Contacts (2)	Circuit board x 1 for alarm, flying lead x 1 for access control etc., both N.O. & common, 0.25A @ 30V	
End of Line Space for end-of-line encryption modules, or resistor/s Array Magnets Up to 8 magnets for unique magnetic footprint	Tamper Contact (1)	N.C. & common, 0.2A @ 30V	
Array Magnets Up to 8 magnets for unique magnetic footprint	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	
Hall Effect Sensors 7	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	Patents	Patents granted and pending worldwide based on PCT/AU2014/000210	
Manufacture Designed & manufactured in Australia	Manufacture	Designed & manufactured in Australia	

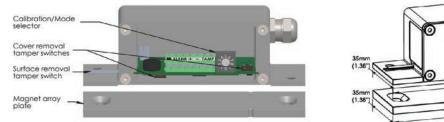
Product Dimensions

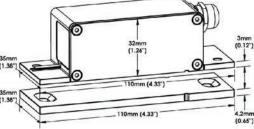
FSS1-S Surface mount <u>conduit version</u> FSS1-S-NC surface mount <u>no conduit version</u>





FSSI-F flush mount version





Product Codes & Accessories

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