




<h1>S series</h1> <p>Access Control Readers Standard Mount</p>	MODEL	S1	S2	S3
				
	MOUNTING	UK / ASIAN WALLBOX	US / AUST WALLBOX	50mm (2") MULLION
	DIMENSIONS	90x90x18mm (3.5x3.5x0.7")	115x75x18mm (4.5x3.0x0.7")	46.5x106x18mm (1.8x4.2x0.7")

The 'S' series of proximity card readers are surface mounted, low profile, feature a snap on protective and are compatible with standard wall mounting boxes or door mullion sizes. The series is compatible with a range of contactless card technologies including Mifare, DESFire EV1 and 125khz technologies. Multi-technology reader configurations are available for sites transitioning between credential technologies. The electronics are fully encapsulated providing superior ingress protection and durability. Output data format is Wiegand or RS485 encrypted.

CREDENTIAL	MIFARE	DESFIRE	125khz	DUAL TECH
CARD TYPE	MIFARE type A : ISO14443	DESFIRE EV1 : ISO14443	125khz PROX	MIFARE type A and 125khz
READ RANGE	TYPICAL : 5cm	TYPICAL : 4cm	TYPICAL : 8cm	TYPICAL : 5cm
TRANSMIT FREQUENCY	13.56MHz	13.56MHz	125khz	13.56MHz : 125khz
OUTPUT PROTOCOL	WIEGAND : 26 BIT AS STANDARD OR CUSTOMER SPECIFIED FORMAT RS485 ENCRYPTED (AES-128BIT) COMMUNICATIONS		WIEGAND : 26 BIT AS STANDARD OR CUSTOMER SPECIFIED FORMAT	
POWER	+5VDC TO +12VDC			
CURRENT	110mA			
STATUS LED	BI-COLOUR LED : RED / GREEN			
AUDIBLE TONE	BUZZER			
CABLE DISTANCE	WIEGAND : 150m (500ft) : 22 AWG WIRE RS485 : 1000m (3200ft) : 22 AWG WIRE			
OPERATING TEMPERATURE	-10degC TO +65degC			
RELATIVE HUMIDITY	90% MAX : OPERATIONAL NON-CONDENSING			
ENCLOSURE MATERIAL	HIGH IMPACT POLYCARBONATE			
COLOUR	CHARCOAL			
IP RATING	IP 66			
CERTIFICATIONS	FCC : CE : C-TICK			
WARRANTY	5 YEARS			
PART NUMBERS	S1-M MIFARE READER UK / ASIAN WALLBOX	S1-EV1 DESFIRE EV1 READER UK / ASIAN WALLBOX	S1-P 125KHZ PROX READER UK / ASIAN WALLBOX	S1-D DUAL TECH READER UK / ASIAN WALLBOX
	S2-M MIFARE READER US / AUST WALLBOX	S2-EV1 DESFIRE EV1 READER US / AUST WALLBOX	S2-P 125KHZ PROX READER US / AUST WALLBOX	S2-D DUAL TECH READER US / AUST WALLBOX
	S3-M MIFARE READER MULLION	S3-EV1 DESFIRE EV1 READER MULLION	S3-P 125KHZ PROX READER MULLION	

INS-SPEC-S-B

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Technology
Partners



INS Global hardware is built with genuine NXP and Safran Morpho components.

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