
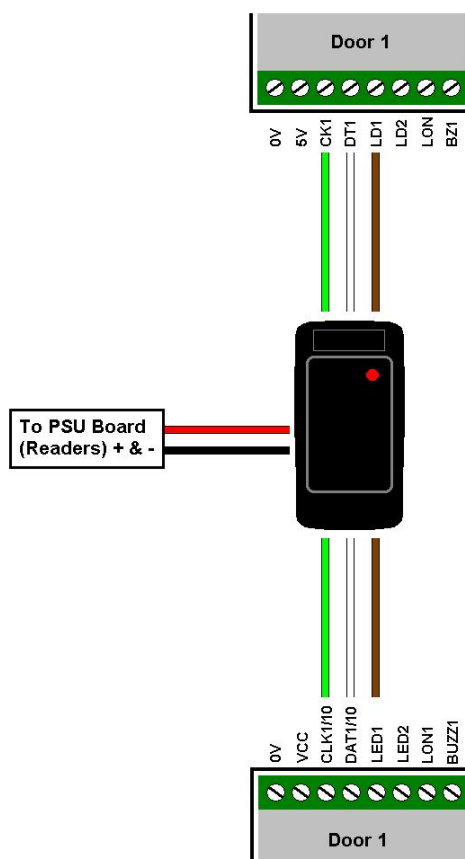


sensor
ACCESS TECHNOLOGY

SP-MINI

Install Guide

Dimensions	80mm (H) x 40mm (W) x 13mm (D)	
Weight	67g	
Read Range	80mm	
Input Current (Standby)	35mA @ 12vDC	
Input Current (Maximum)	50mA @ 12vDC	
Voltage Range	5 to 16 vDC from a regulated supply	
Colour	Black	
Material	UV-resistant polycarbonate plastic	
LED Indicator	One bi-coloured	
Buzzer	Yes	
Operating Temperature	-12°C to 60°C	
Max Range to Controller	100m	
To Extend Cable Use	Belden 9421 (22AWG, non-twisted)	



The 5 V terminals on the IC1000+ and the VCC terminals on the IC2000 & IC4000 output 5 volts. Whilst it is possible to wire the reader to these terminals we advise that you use the terminals provided on the power supply board.

Some older types of SP-MINI also have orange and yellow wires. If you have this older type the orange cable should be wired to the first LED terminal (LD1/LD4 or LED1/LED4), The brown to the second (LD2/LD5 or LED2/LED5), and the yellow to the buzzer (BZ1/BZ2 or BUZZ1/BUZZ2)

WIRE	PSU BOARD	IC1000+	IC2000/4000
Red (+V)	12vDC 1.5A		
Black (0V)	0vDC 1.5A		
Green (data-0)		CK1/CK2	CLK1/CLK10/CLK2/CLK20
White (Data-1)		DT1/DT2	DAT1/DAT10/DAT2/DAT20
Brown (LED)		LD1/LD4	LED1/LED4
Purple (Tamper)		If required, connect to a spare input on controller	