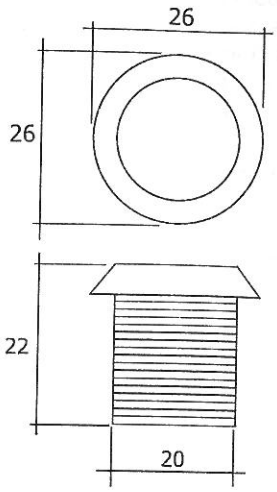

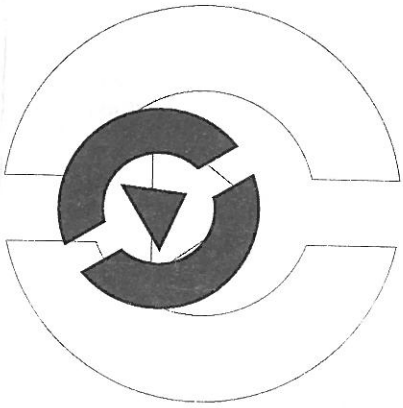

SP1 Smart Miniature Prox

Limited Warranty

Smart innovations Pty Ltd warrants that for a period of 24 months from the date of purchase the product shall be free of defect in materials and workmanship under normal use and that in fulfillment of any breach of such warranty Smart innovations Pty Ltd shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not damage incurred in shipping or handling, or damage due to causes beyond the control of Smart innovations Pty Ltd such as lightning , excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Smart innovations Pty Ltd. This warranty contains the entire warranty. Smart innovations Pty Ltd neither assumes, nor authorizés any other person purporting to act on its behalf to modify or to change this warranty nor to assume for it any warranty or liability concerning this product. In no event shall Smart innovations Pty Ltd be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation of operations or failure of this product.

Function

The Sp1 Miniature Prox reader is intended to be applied in different access control systems, using Wiegand 26 36 Bit interface.

Types of identification

SP1 Miniature Prox reader operates with (FSK) modulation proximity cards and tags.

Design

The reader is sealed in a miniature hermetic vandal/weather proof plastic case. Thanks to the small overall dimensions the reader is distinguished for its ease of installation and advanced reliability.

Data transfer and Annunciation

While reading the card code the reader produces a short green LED flash. This confirms that the card code has been read successfully, but is not related to the rights of the card within the system (E.g. right to enter)

Green or Red Led are used by the controller to indicate the decision made by the system with respect to the presented card.

Specifications

Operating frequency: 125 KHz
Reading range: 3-6 cm
Light indication: Green LED flashes during read
Standby Lighting: permanent Red LED
Supply voltage: 8 - 18 V DC
Current consumption: 35mA (max)
Operating temperature: from -40°C to +50°C
Case material: polyamide plastic
Case colour: light-gray metallic
Output interface: Wiegand 26-36
Max. length of line from reader to controller: connection W26-36 up to 100 m
Data transmission rate: 400bit-4K bit per second
Size (mm): D26XH22

Wiring

Red	"+"
Black	"GND"
Green	"DATA 0"
White	"DATA 1"
Orange	"Green LED"
Brown	"Red LED"

To switch a green LED on valid card entry connect Brown wire(Red LED)
And Orange wire (Green LED) together to negative LED output of the Controller.