RFID PROXIMITY ACCESS CONTROL   RFID231C-SYS

Features

- Complete Proximity Access System Kit

- Transponder Cards Read Up To 4 Inches Range With Internal Aerial.

- System Includes
    - Control & Sensor Units
    - 10 Transponder Cards.
    - Power Supply Unit
    - Connecting Cable
    - Door Strike
    - All Screws & Fixings

- Exit Switch Option

- Programmable up to 50 Cards.

- Led Indicators For Power & Accept/Reject.

- Relay Contacts 2A@12Vdc.

- User Programmable Relay, 0.5 Secs To 10 Mins

- Easy Learn, Erase Cards Via Internal Switch.

- RS232 Serial Coms to PC.

- Real Time Data Logging Output.

Description

The RFID Proximity Access System provides controlled access to premises by means of high-security transponder card technology. These are similar to credit cards in size and appearance, but no physical contact is required with the reader for the card to be scanned.
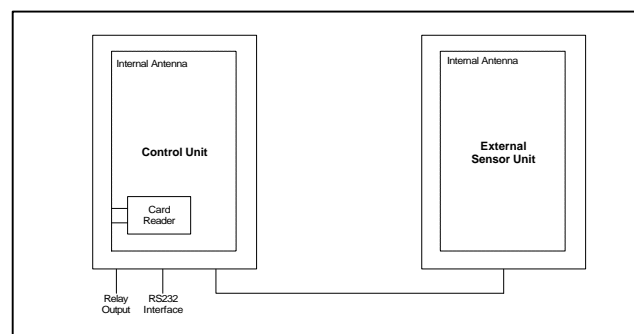
When an authorised card is placed within 4 inches of the sensor, the relay output will operate for a preset time. The system consists of a control unit and a remote sensor unit that can be fitted to the outside of a building. The control unit simply requires power and relay connections to operate. The sensor unit connects to the control unit with the cable provided.

The system has the capacity to learn up to 50 transponder cards. Programming is achieved using either a pushbutton inside the control unit, or from PC connected to the Control Unit RS232 serial port (only two connections required).

Connection to a PC enables many other functions including; control of the relay output from the PC, data logging information of which transponder card has operated the system.

The system is supplied in an ABS plastic enclosures and are IP65 rated.

Block diagram

System Installation

A full installation guide is provided with the system (DS000230). This is also available from our website.

Technical specification		
Features	**Specification**	**Comments**
Protocol	Hitag2	Philips high security Protocol
User Range	Upto 15cm	Using standard Transponder card
Maximum No of Cards	50	
User feedback	LED	Data Accept / Reject LED Indication on Sensor and Control Unit
Programming Features	Yes	Via 2 onboard Switches or PC control Interface
Relay output	2A @ 12Vdc	Standard British Telecom BT47W/6 Changeover Contacts
Relay Operation Time	½ Sec – 10 mins	Programmable via onboard Switches or PC
PC Interface	RS232	2 wires only!
PC Commands	9	Complete Configuration through PC is possible.
Data Logging Output	Yes	Real time through RS232
Mounting	Wall or Pole	With Screw fixings provided
Environmental Protection	IP65	
Enclosure Material	ABS	
Power Supply: UK Version	UK 230Vac	UK Plug top
Power Supply: INTL Version	INTL 110 –240Vac	Standard International IEC Input
Power Consumption	~50mA	Quiescent
	~90mA	Operating Relay
Dimensions	110 x 85 x 35mm	
Operating Temp	-0 to + 70 ^{o}C	
Storage Temp	-55 to + 125 ^{o}C	

Technical specification: Transponder Card		
Features	**Specification**	**Comments**
Card Type	ISO Hitag2	Can be any Hitag2 card package
Material	White PVC	May be Custom Silk Screened
Size		As standard credit card

PART No	**DESCRIPTION**
RFID231C-SYS	RFID Proximity Access System with 10 Cards
RFCARDHITAG2	Spare RFID Card tag (Pack of 10)

Should you require further assistance, please call;

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RF Solutions is a member of the Low Power Radio Association.