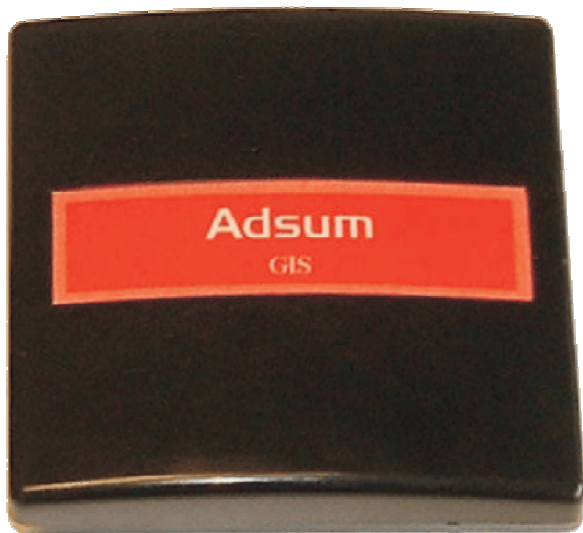


ACR3 Reader



Contactless Access Control Reader

This ISO14443A / ISO14443B / Mifare® compatible card reader is intended for attachment to walls and surfaces where doors, gates, turnstiles and payment points may be situated. The contactless reader is housed in a ergonomically designed plastic enclosure and can be fitted to a standard UK light switch housing.

Readers can be supplied in a range of colours and can be either square or circular mouldings.

A range of interfaces are available to ensure suitability for a range of installations and include USB2, RS232 and Wiegand.

To allow simple access control installations there is also a 12Vdc relay output which can directly drive a door solenoid.

Feedback to the cardholder is achieved by using a dual colour LED and an optional buzzer.

Technical Specification

- 32-bit single chip ARM7 microcontroller with variable clock speed up to 48MHz
- 512Kbytes internal Flash memory for program storage
- 128Kbytes internal RAM
- 128Kbyte of external data Flash
- LED (green and red)
- Buzzer (optional)

Card Interface

- ISO14443-A / ISO14443-B
- Mifare Classic® / Ultralight® supported / T=CL (optional)
- Reading range up to 5cm

Host Interface

- RS232 - Asynchronous proprietary protocol for connection to RS232C with a nominal data transfer rate of 9600 baud (up to 115kbps).
- Wiegand 26bits – Asynchronous interface using 26 bits signalling whereby a card and facility/site codes is sent to a host interface.
- Wiegand 34bits – Asynchronous interface using 34 bits signalling whereby the card serial number (CSN) is sent to a host interface.
- USB2 - Full speed USB slave interface for connection to host systems.
 - Alternative signalling is available. Please contact GIS.

Power

Consumption: 130mA (typ) while scanning smart card.
External power input: 7.5-15Vdc / 250mA (max)

Relay

A 12Vdc relay output (open drain) is available with currents up to 200mA. Only available with external 12V input.

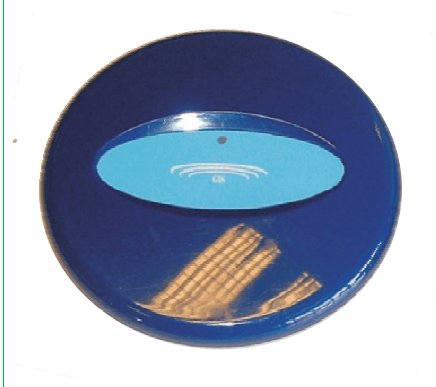
DIMENSIONS: 87mm x 87mm x 40mm

WEIGHT: 80 grams

Standards and Approvals

CE: EN61000-6-1:2001, EN61000-6-3:2001, EN60950:2000, EN300 330-1 V1.3.1, EN300 330-2 V1.1.1, EN301 489-3

Specifications are subject to change without notice - May 2012



General Information Systems

Unit 2, The Woodland, Barton Road, Haslingfield, Cambs CB23 1LW, UK
Tel.: +44 (0) 1223 873333
Fax.: +44 (0) 1223 870303
Http://www.gis.co.uk - Email: info@gis.co.uk