Raytel Security Systems

helping to keep communities safer

Access Control Two Door System

RS485 TWO DOOR CONTROLLER
With built in programming reader.

Networking & Stand-alone Controller for Card or Token Proximity Reader
AR-727HB-RAY

- One RS485 port for two-door control
- Up to 254 controllers may be networked to host PC
- Cable runs of up to 1,000 meters between controller and reader
- Built-in reader and LCD display for programming purposes
- User friendly programming
- Two built-in lock relays
- Anti-tamper contact
- Built-in watchdog to prevent the system from locking up
- Anti-passback memory 1024
- Event log (capacity 1,200) preserved for up to 10 years
- Weatherproof

AR-737H

AR-727HB-RAY

AR-737HB-RAY

The AR-727HB-RAY is an extremely versatile controller/reader operating either as a standalone controller or as a network controller as one of up to 254 controllers operating via an RS485 connection to a host PC.

The RS485 port of the AR-727HB-RAY can be connected to two remote RS485 readers to provide entry control for two doors with exit buttons for egress or for one door with two readers for anti-passback. The RS485 connection enables long cable runs (up to 1000 metres) to be used between reader and controller.

The controller has a built-in proximity reader and LCD display for programming. The Version AR-716E-RAY is also available in a lockable metal case complete with a 3 amp power supply, battery charger, interconnection PCB with terminals and space for a stand-by battery and TC65 Modem (both items may be purchased separately).

The readers that can be used with this controller are the AR-737H and the DDA friendly AR-737HB-RAY. There are two lock relays in the controller.

Note: This controller cannot be used as a sub-controller connected to the standard AR-716E.

RAYTEL SECURITY SYSTEMS LTD
SOUTH Tel: 01268 749310   NORTH Tel: 0141 332 4232

AR-716E-RAY

TC65 Modem for remote control
The AR727HB-RAY may be connected to a TC65 GSM Modem to provide remote programming and administration of the access control system, allowing authorised personnel the convenience of administering the system from almost any location. The TC65 is compatible with any UK CSD enabled network.

RS485 READERS

For Cards or Tokens
VR-RAY-S
VR-RAY-F
AR-737HB-RAY

- High visibility front
- Raised token logo
- RS485 communication interface
- Up to 1,000 metre cable run
- Waterproof
- Stainless steel vandal resistant Housing available
- Bi-colour LED and sounder
- EM4001/EM4012 friendly tokens
- Power requirement <1.5w
- Operating temperature: −20…+75°C
- Standard colour: pearl grey with yellow and black front
- Output for local lock relay

VR-RAY-S

VR-RAY-F

The DDA friendly RS485 proximity reader for card or token is available in standard (AR-737HB-RAY) and vandal resistant versions for surface (VR-RAYS) or flush mounting (VR-RAYF).

The AR-737HB-RAY proximity reader has been designed to operate with the AR-727HB-RAY Controller or Master Controller AR-716E via an RS485 link enabling cable runs of up to 1,000 metres to be used between controller and reader. This reader has a high visibility/contrast yellow and black front with raised token logo to assist the visually impaired. It has a built-in LED and sounder to indicate acceptance or rejection of a token/card.

The reader is available in standard form for mounting directly on a wall or similar surface with a clip-on protective cover. Although the reader is waterproof and fairly robust, it is recommended that the terminals at the rear are protected from condensation with a silicone sealant. The reader can also be provided with a vandal resistant stainless steel case for surface (VR-RAY-S complete) or flush mounting (VR-RAY-F complete). Both VR versions use a standard single way, 35mm deep, metal, electrical back box.

This reader operates in a similar way to AR-737H in that it has an output that can be used to operate a local lock relay if this is preferred to using the lock relays in the Controller.

Note: Diodes should always be fitted across the lock inputs in accordance with best practice.

Zone Colours available for AR-737HB-RAY and Tokens

A range of colour stickers and matching covers are available to provide users with visual confirmation of 'Access Level' by matching colour zones.

SYSTEM ARCHICTECTURE

How far do you want to go?

...expandable from simple one door access to over 4000 door access!

Versatility you can afford...

- Door Access
- Zone Control
- Anti-passback
- Car Park entry
- Finger print access
- Lift access

- Vandal resistant surface/flush mounted readers
- RS485, RS232, USB or Wiegand protocols
- 254 nodes x 16 readers each
- Card, code or token access
- Ethernet or modem to PC
- Standalone or networked

Raytel Security Systems Limited

Southern Office: Raytel House, Brook Road, Rayleigh, Essex SS6 7XH.
Sales: 01268 **749310** / **Tech:** 01268 **749311** / **General:** 01268 **749312** / **Fax:** 01268 **749315**
Northern Office: Unit 3, Block 5, Oakbank Industrial Estate, Garscube Road, Glasgow G20 7LU.
Tel: 0141 **332 4232** / **Fax:** 0141 **332 6952**
email: info@raytelsecurity.co.uk   Internet: www.raytelsecurity.co.uk

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