

# RS485 TWO DOOR CONTROLLER

With built in programming reader.

## Networking & Stand-alone Controller for Card or Token Proximity Reader

### AR-727HB-RAY

- 1 RS485 port for 2-door control.
- Upto 254 controllers may be networked to host PC.
- Cable runs 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.



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. It is also available in a lockable metal case complete with a 3 amp power supply (AR-716E-RAY).

The readers that can be used with this controller are the AR-737H and the DDA compliant 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



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**AR-727HB-RAY**

## Networking & Stand-alone Controller for Card or Token Proximity Reader

### Specification

Mode No.	M4 (Stand-alone or Networked)
RF Frequency	125KHz / 150KHz
User Capacity	1,024
Event Log	1,200
Voltage	10-24VDC
Power Requirement	< 3W
Communication Interface	RS485
Baud Rate	9600bps (N, 8, 1)
Environment	-20 to +75°C
DI Input	2 Egress Button
DO Output	Arming LED / 2 Door Relay Output
Door Relay / Time	3A 30VDC / 0-600 sec max.
Anti-pass-back	Yes
Program Interface	Controller / PC Software
Proximity Reading Range	5-8cm (125KHz) / 5-8cm (150KHz)
Weatherproof	IP54
Real Time Clock	Yes
Colour	Dark Pearl Grey
Dimensions (mm) AR727HB-RAY	126(H) x 91(W) x 46(D)
Weight (g) AR727HB-RAY	330±10
Housing material	ABS
LCD Panel (pixel)	128 x 64 (4 line messages 16 characters each line)

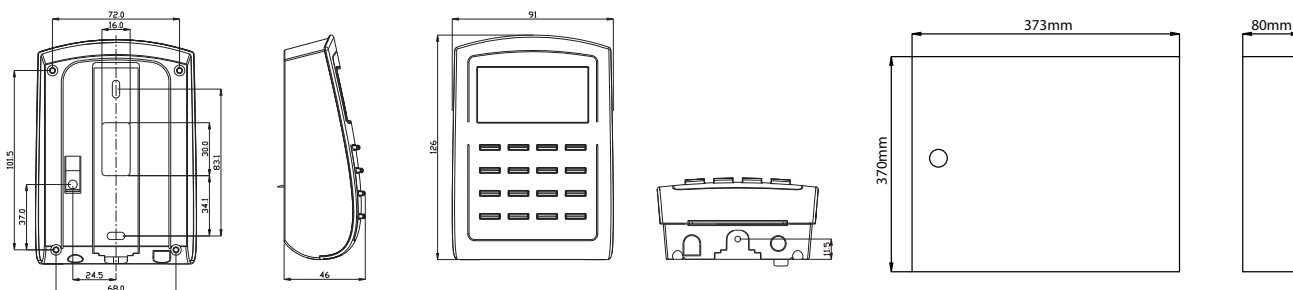
- Stand-Alone • Networking • 125K • 150K
- Weatherproof



### AR-727HB-RAY or AR-716E-RAY Options

- Standalone controller with two readers and two exit buttons for control of two doors without anti-passback facility (Readers: 2 x AR-737H or 2 x AR-737HB-RAY).
- Standalone controller with two readers for control of one door with anti-passback facility (Readers: 2 x AR-737H or 2 x AR-737HB-RAY).
- One of up to 254 controllers as network node connected to a host PC, with the same reader options as in standalone mode.

### Dimensions: AR-727HB-RAY and AR-716E-RAY

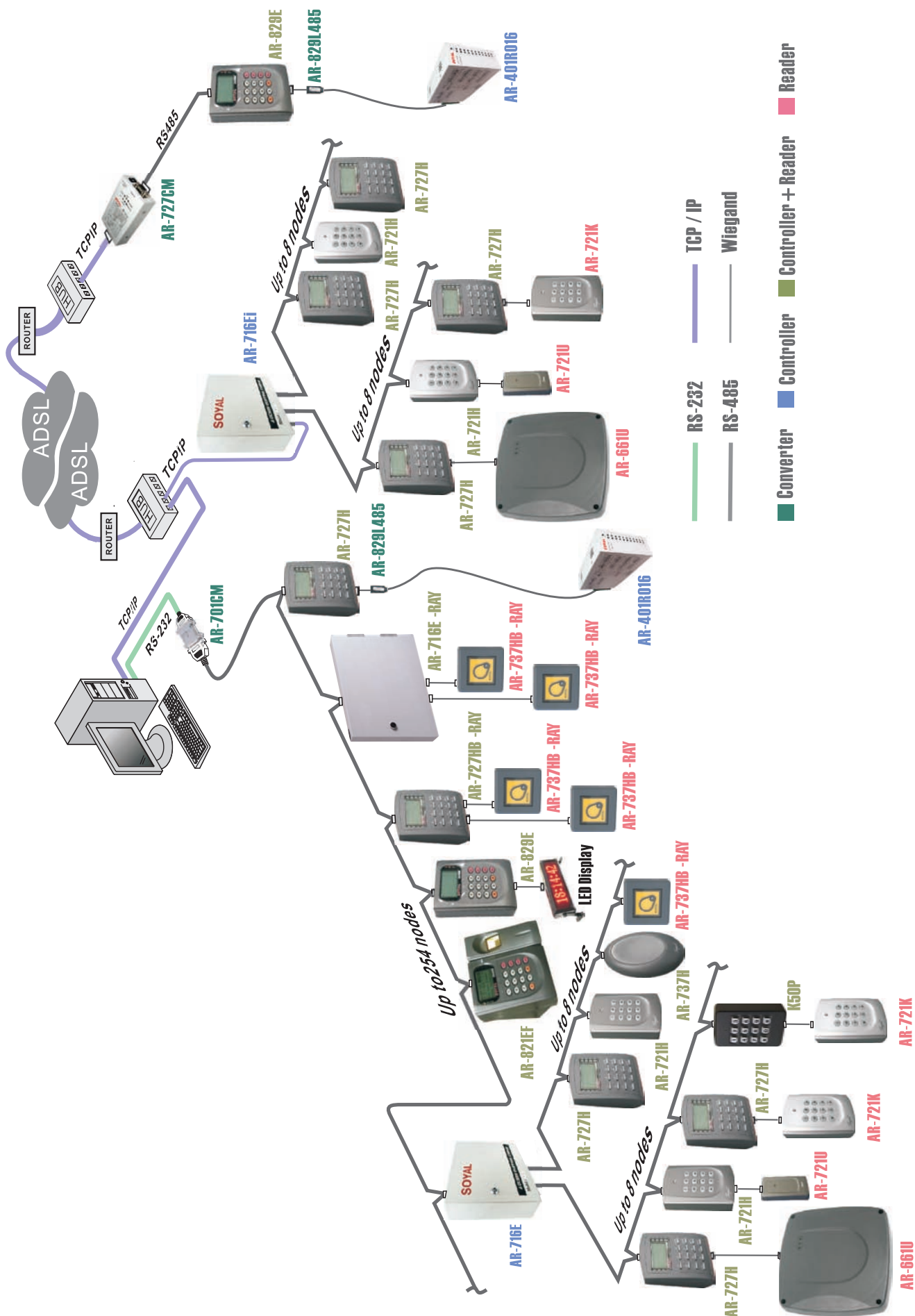


### AR-737HB-RAY Readers



See RS485 Readers page for reader dimensions.

# SYSTEM ARCHITECTURE



Southern Office: Raytel House, Brook Road, Rayleigh, Essex SS6 7XH. Tel: 01268 749310 / 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](mailto:info@raytelsecurity.co.uk) Internet: [www.raytelsecurity.co.uk](http://www.raytelsecurity.co.uk)