

# ARD-R90 - iCLASS Reader - APR/EMEA



- ► Contact less smart card reader, read only, long range
- Proximity/long range reader with beeper and multicolored LED display
- Rugged, weatherized polycarbonate enclosure, designed to withstand harsh environments

Non-contact access control readers in 13.56 MHz technology (based on ISO 15693) for connecting to an access controller with Wiegand interfaces.

## **Functions**

Reads all iCLASS and ISO 15693 (CSN) compatible cards.

"Parking Hold" feature allows connection to a loop detector to ensure accurate detection of vehicles in parking lanes.

Two ARD R90 units can operate one meter apart for "HI-LO" truck and car installations. iCLASS proximity cards that work with diversified keys of 64-bit length for two-way authentication, encrypted data is transmitted between the reader and card.

Beeper and multicolored LED display controlled internally or by host.

## **Installation/Configuration Notes**

- Cable length 150 m (500 ft).
- Power supply installation always closed to the reader.

 Please follow the general mounting instructions for the proximity reader regarding the distance between readers and metallic surfaces.

Note

The Wiegand reader interface of the AMC2 4W does not provide sufficient power for the ARD R90. Please plan an external power supply for the ARD R90.

#### **Parts Included**

- 1 Reader body with board
- 1 Mounting material
- 1 Installation guide

## **Technical Specifications**

Housing		
External dimensions (W x H x D)	30,48 x 30,48 x 3,175 cm (12 x 12 x 1.25 inch)	
Material	Polycarbonate (UL 94)	
Color	Black	
Weight	1860 g (60 oz)	
Connections		
Display	Multicolored LED	

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Interfaces	Wiegand	
<b>Environment conditions</b>		
Operating temperature	-35° to 65°C (-31° to 150°F)	
Humidity	5 to 95% no condensation water	
Environment class	IP55	
Electrical parameters		
Power supply	12 – 24 VDC reserve voltage protected (linear supply recommended)	
Current consumption (Avg/Peak)	480/1800 mA (12 VDC) 230/900 mA (24 VDC)	
Reading process	iCLASS	
Operating/modulation frequency	13.56 MHz	
Reading distance	45 cm (17.72 in) with iCLASS card 22,9 cm (9.01 in) with iCLASS key/ tag	
Cable distance	150 m (500 ft)	
Recommended cable	ALPHA 1295 (22 AWG)	

# **Ordering Information**

ARD-R90 - iCLASS Reader - APR/EMEA

ARD-R90-AKT00

Proximity long range access control reader with Wiegand interface.

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security,sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific: Represented by
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6258 5511
Fax: +65 6571 2698
apr.securitysystems@bosch.com
www.boschsecurity.com