



Black Line

Entry control for **home** and **office**

by **Jantar**



Reader A/O/K with protocol output (125kHz)



Reader A-1-B



Reader O-1-B



Reader K-1-B

- Readers with protocol output, available in three different casings, with or without keypad
- Reading frequency 125kHz
- Encrypted communication between reader and controller
- For advanced access control systems with higher level of protection with access controllers Populus P or Trigger
- Designed for business and government buildings, R&D facilities, financial institutions, server rooms, archives, warehouses, hospitals, shops, labs, etc.
- The electrical circuit of the Reader is poured with epoxy resin which protects it from moisture; this is why it is suitable for mounting outdoors
- Reader signals its current operation mode with LED and buzzer

TECHNICAL DATA

- **Dimensions:**
 - **120x95x15mm (Reader A-1-B)**
 - **58x120x15mm (Reader O-1-B)**
 - **58x120x18mm (Reader K-1-B)**
- **Reading frequency: 125kHz**
- **Reading range: 10 to 12cm**
- **Output: Jantar protocol**
- **IP65 protection**
- **External power supply 9 to 14V DC (Populus P-B)**
- **Operating temperature: from -20°C to +70°C**
- **Max. current consumption: 85mA**
- **LED and buzzer for door status signalization**
- **Max. cable length between reader and controller: 300m**

ORDERING CODES

Code	Specification
Reader A-1-B	125kHz protocol reader in A-B box
Reader O-1-B	125kHz protocol reader in O-B box
Reader K-1-B	125kHz protocol reader in K-B box

*Reader A-B and O-B - with 6x0,22 alarm cable (3m)
Reader K-B - with 6 wires flat cable (25cm).*



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Reader A/O/K with protocol output (13,56MHz)



Reader A-3-B



Reader O-3-B



Reader K-3-B

- Reader with protocol output, available in three different casings, with or without keypad
- Reading frequency 13,56MHz
- For very advanced, highly protected access control systems with access controllers Populus P-B
- For Mifare S50 and Mifare DESFire contactless cards (with Jantar's encryption – optional)
- Designed for business and government buildings, R&D facilities, financial institutions, server rooms, archives, warehouses, hospitals, shops, labs, etc.
- The electrical circuit of the Reader is poured with epoxy resin which protects it from moisture; this is why it is suitable for mounting outdoors
- Reader signals its current operation mode with LED and buzzer

TECHNICAL DATA

- **Dimensions:**
 - 120x95x15mm (Reader A-3-B)
 - 58x120x15mm (Reader O-3-B)
 - 58x120x18mm (Reader K-3-B)
- **Reading frequency: 13,56MHz (Mifare S50 and DESFire)**
- **Reading range: up to 7cm**
- **Output: Jantar protocol**
- **IP65 protection**
- **External power supply 9 to 14V DC (Populus P, Trigger)**
- **Operating temperature: from -20°C to +70°C**
- **Max. current consumption: 85mA**
- **LED and buzzer for door status signalization**
- **Max. cable length between reader and controller: 30m**

ORDERING CODES

Code	Specification
Reader A-3-B	13,56MHz protocol reader in A-B box
Reader O-3-B	13,56MHz protocol reader in O-B box
Reader K-3-B	13,56MHz protocol reader in K-B box

*Reader A-B and O-B - with 6x0,22 alarm cable (3m)
Reader K-B - with 6 wires flat cable (25cm).*