DoorBird
Technology meets Design.

IMPORTANT NOTE:

In order to guarantee your warranty claim of the engineering edition in your own front panels, please refer to the notes and technical drawings.

A1121E

IP ACCESS CONTROL DEVICE

Engineering Edition for integration purposes with keypad

Designed, developed and made in Germany

TECHNICAL SPECIFICATIONS

DoorBird
Technology meets Design.

GENERAL

Power supply	15 - 48 V DC (max. 15 W) or Power over Ethernet (PoE 802.3af Mode-A)
Keypad module	12 keys, illuminated, configurable via App, e.g. • Individual PIN codes • Individual events (e.g. switch a relay, HTTP(s) request) • Individual schedules • Up to 500 PIN codes manageable
Tamper Sensor	Integrated
Weight	160 g
Connectors	• LAN/PoE (T+, T-, R+, R-) • 2 x Bistable latching relay (potential-free), max. 1-24 V DC/AC, 1 A, e.g. for electric door opener • 15 – 48 V DC input (+, -), max. 15 W • Wiegand
Approvals	IP65, CE, FCC, IC, RoHS, REACH, IEC/EN 62368
Dimensions	128 x 62 x 28 mm (H x W x D) 5.04 x 2.44 x 1.10 in (H x W x D)
Operating conditions	-25 to +55˚C / -13 to 131˚F Humidity 10 to 85 % RH (non-condensing)
Scope of delivery	1x Main Electrical Unit 1x Power supply unit (mains adaptor) with up to 4 country-specific outlet adaptors (100 - 240 V AC to 15 V DC) 1x RJ45 adapter 1x Screwdriver 1x Quickstart guide with Digital Passport 1x Installation manual 1x Small parts
Warranty	see www.doorbird.com/warranty
EAN	4260423913899

CURRENT SYSTEM REQUIREMENTS

System requirements	Mobile device: Newest iOS on iPhone/iPad, newest Android on Smartphone/Tablet Internet: High-Speed Landline Broadband Internet connection, DSL, cable or fiber optic, no socks or proxy server Network: Ethernet Network, with DHCP

AUDIO

Audio components	Piezzo, for system messages

NETWORK

Ethernet	RJ45 jack, PoE 802.3af Mode-A, 10/100 Base-T
WiFi	2.4 GHz b/g/n
Supported protocols	HTTP, HTTPS, SSL/TLS, Bonjour, DNS, TCP, UDP, ICMP, DHCP, ARP

125 KHZ RFID READER

Type	Active Reader Passive Tag (ARPT) system
Standard	ISO/IEC 18000-2:2009 Part 2, EM4100, EM4102
Frequency	125 KHz
Range	0 - 3 cm, depends on environment
Compatible Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy Up to 500 transponders manageable
Configuration	Via App, e.g. • Tag (add, delete) • Individual events (e.g. switch a relay, HTTP(s) notification) • Individual schedules

13.56 MHZ RFID READER

Type	Active Reader Passive Tag (ARPT) system
Standard	UID (CSN) of: MIFARE Classic®, MIFARE DESFire® EV1 and EV2, ISO14443A, ISO14443B, ISO15693, NFC® (HCE support required)
Frequency	13.56 MHz
Range	0 - 3 cm, depends on environment
Compatible Transponder	RFID key fobs, sold separately, see www.doorbird.com/buy Up to 500 transponders manageable
Configuration	Via App, e.g. • Transponder (add, delete) • Individual events (e.g. switch a relay, HTTP(s) notification) • Individual schedule

WIEGAND INTERFACE

Direction	Output
Supported protocols	26, 30, 31, 34, and 44 bit
Supported data output	125 KHz RFID transponder, 13.56 MHz RFID transponder, Keypad PIN codes
Maximum distance to controller (cable length)	18 AWG: Max. 500 ft. (150m) 20 AWG: Max. 300 ft. (90m) 22 AWG: Max. 200 ft. (60m)
Voltage	When no data is being sent, both DATA0 and DATA1 are pulled up to the "high" voltage level, +5 V DC. The interface is galvanically isolated.

INTEGRATED WIRELESS MODULES

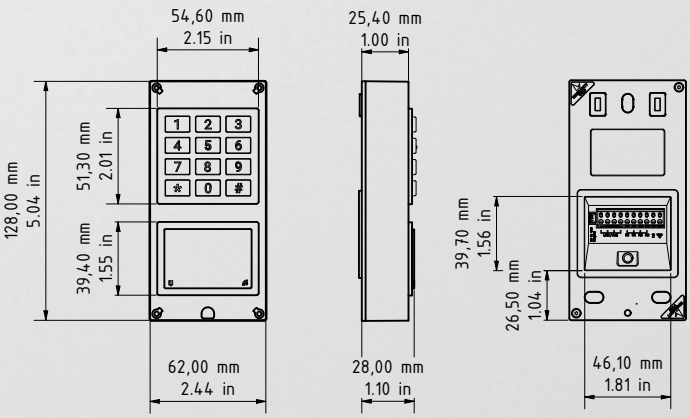
WiFi	2.4 GHz
RFID	125 KHz 13.56 MHz (Configuration: either-or)
Bluetooth	Bluetooth Low Energy (BLE), compatible with DoorBird Bluetooth Keyfob Remote A8007

THIRD-PARTY INTEGRATION (DOORBIRD CONNECT)

Partner integrations	see www.doorbird.com/connect
API	see www.doorbird.com/api

OPTIONAL ACCESSORIES

Sold separately	see www.doorbird.com/buy



Special remarks:
Assembly requires professional skills or a technician.

Errors and omissions excepted. | Last update 05/2024 - Copyright © ASSA ABLOY – www.doorbird.com