BioX

BIOMETRIC READER DATASHEET
23.06.21

PRODUCT

The BioX is a two-factor fingerprint biometric and MIFARE® smart card reader able to integrate seamlessly with existing systems. Can be configured as 'template on card' or for complete control, managed with miPASS Access software.
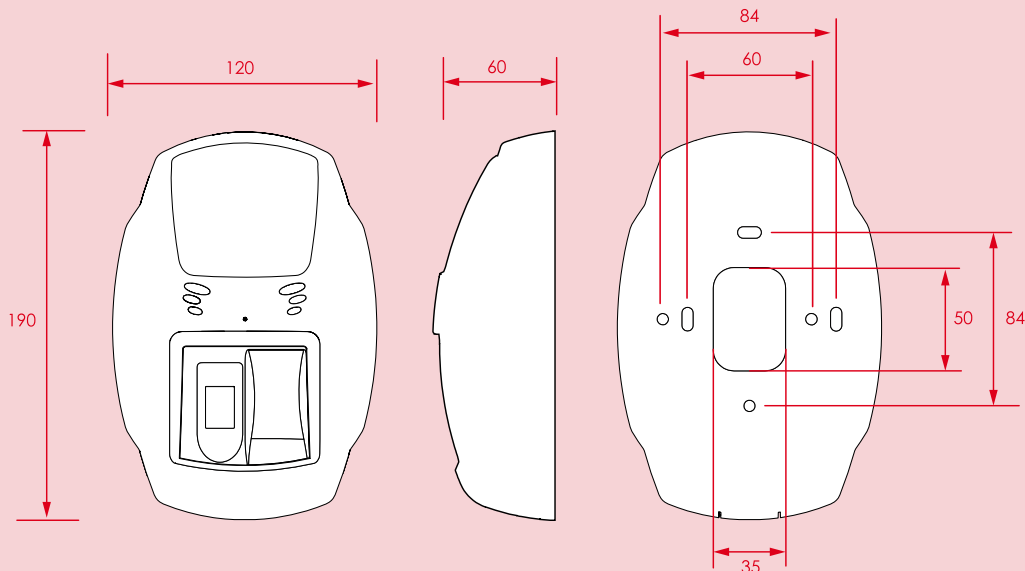
MODEL FEATURES

		BioX-1	BioX-2	BioX-3	BioX-4	BioX-5	BioX-6
Technology	125kHz						
	MIFARE Classic®	●	●	●			
	MIFARE Plus®						●
	MIFARE® DESFire®				●	●	●
Factors	Card	●	●	●	●	●	●
	Keypad						
	Biometric	●	●	●	●	●	●
Encryption	CSN/UID	●	●	●	●		●
	Crypto1		●	●			●
	3DES				●		●
	AES					●	●
Keys	Diversified Key		●		●	●	●
	Custom Key			●			●
Output	Wiegand 32-bit	●	●	●	●	●	●
	Wiegand 26-bit to 199-bit			●			●
	Encrypted RS485			●		●	●

SPECIFICATIONS

- **Voltage at Reader**
  8VDC to 16VDC

- **Current Usage**
  Average: 280mA
  Peak: 350mA

- **Card Read Range**
  20mm to 40mm (0.8" to 1.6")

- **Operating Temperature**
  -10°C to +50°C (+14°F to +122°F)

- **Relative Humidity (% max)**
  90%, operating non condensing

- **Reader Dimensions**
  190mm (7.48") X 120mm (4.72")
  X 60mm (2.36")

- **Materials**
  Reader Body: ABS Plastic
  Colour Finish: Charcoal
  Mounting Bracket: Stainless
  Steel

- **Feedback**
  Green/Red/Blue LED, with
  external control
  Buzzer, with external control

- **Sensor**
  Optical fingerprint sensor

- **Credential Options**
  ISO14443A, MIFARE Classic®
  1K/4K, MIFARE Plus® X 2K/4K,
  MIFARE® DESFire® EV1 4K/8K,
  MIFARE® DESFire® EV2 4K/8K,
  MIFARE® DESFire® EV3 4K/8K

- **Compliance and Certification**
  FCC, CE, UKCA, RCM, RoHS, IP65

- **Reader Variants**
  BioX-1 – CSN Reader
  BioX-2 – miPASS2 Reader
  BioX-3 – Custom MIFARE Classic
  Reader
  BioX-4 – miPASS3 Reader
  BioX-5 – miPASS4 Reader
  BioX-6 – Custom MIFARE
  DESFire Reader

DIAGRAM

DIAGRAMS ARE NOT TO SCALE. MEASUREMENTS ARE IN MILLIMETERS (MM).