

BT853



RFID READER DATASHEET

23.06.21

PRODUCT

The BT853 is a two-factor wall mount MIFARE® smart card reader with keypad and LCD display to provide direct feedback. They can be purchased preconfigured or customised to suit any requirement and are able to integrate seamlessly with existing systems and facilitate migrating to higher security technology.



MODEL FEATURES

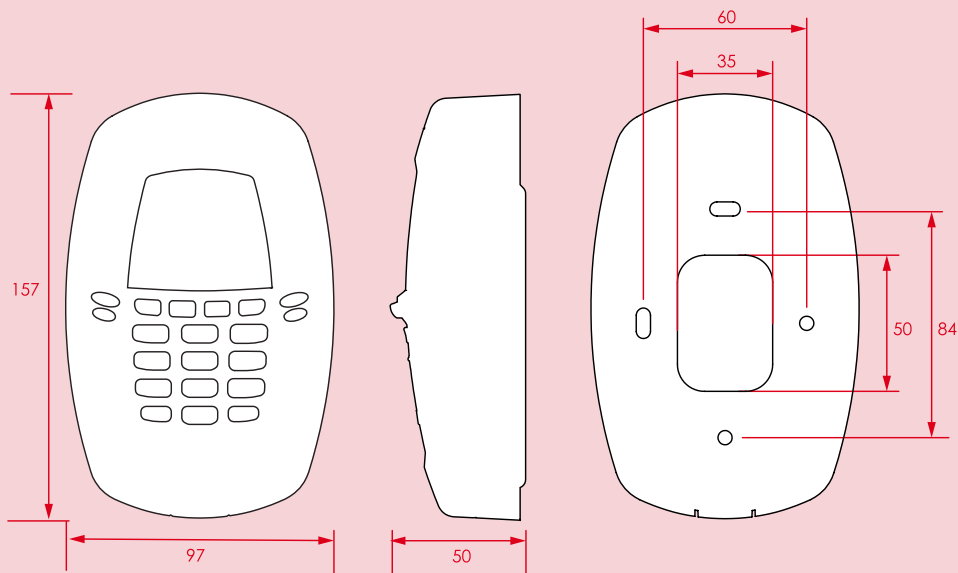
		BT853-1	BT853-2	BT853-3	BT853-4	BT853-5	BT853-6
Technology	125kHz						
	MIFARE Classic®	●	●	●			
	MIFARE Plus®						●
	MIFARE® DESFire®				●	●	●
Factors	Card	●	●	●	●	●	●
	Keypad	●	●	●	●	●	●
	Biometric						
Encryption	CSN/UID	●	●	●	●		●
	Crypto1		●	●			●
	3DES				●		●
	AES					●	●
Keys	Diversified Key		●		●	●	●
	Custom Key			●			●
Output	Wiegand 32-bit	●	●	●	●	●	●
	Wiegand 26-bit to 199-bit			●			●
	Encrypted RS485			●		●	●

SPECIFICATIONS

- **Voltage at Reader**
8VDC to 16VDC
- **Current Usage**
Average: 180mA
Peak: 240mA
- **Card Read Range**
20mm to 40mm (0.8" to 1.6")
- **Operating Temperature**
-25°C to +65°C (-13°F to +149°F)
- **Relative Humidity (% max)**
90%, operating non condensing
- **Reader Dimensions**
157mm (6.18") X 97mm (3.82") X 50mm (1.97")
- **Materials**
Reader Body: ABS Plastic
Colour Finish: Charcoal
Mounting Bracket: Stainless Steel
- **Feedback**
Green/Red LED, with external control
Buzzer, with external control
Tamper detection, optional output
- **Keypad**
16 button illuminated, PIN on Card (PoC), 8-bit COTAG or custom
- **LCD Display**
8x20 characters, monochromatic, read/access messaging or custom in RS485 mode
- **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**
BT853-1 – CSN Reader
BT853-2 – miPASS2 Reader
BT853-3 – Custom MIFARE Classic Reader
BT853-4 – miPASS3 Reader
BT853-5 – miPASS4 Reader
BT853-6 – Custom MIFARE DESFire Reader

DIAGRAM

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



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