![bqt SOLUTIONS]

bt843
MIFARE KEYPAD ACCESS READER

bt823

CE FCC

KeyPad Access Control

The **BT823** & **BT843** Mifare® Contactless Smart Card Access Readers, with KeyPad, are designed for security applications where a card and/or Personal Identification Number (PIN) is required, such as areas where a medium security level is specified.

The readers are used in security applications where data is read from a mi*PASS* card and sent back to a door controller to control the level of access granted to that user. The **BT843** has pre-defined text that appears on the LCD screen. Messages such as *PRESENT CARD, ENTER PIN, ACCESS DENIED* and *ACCESS GRANTED* are displayed to guide the user when using the reader for access control.

The KeyPad provides an extra level of security for user authentication with the addition of a PIN to grant or deny access. The PIN can be stored in the memory of the mi*PASS* card or sent as a Wiegand string in various formats, granting access upon a verification of the PIN.

The **BT823** & **BT843** can be installed in new sites or retrofitted as an upgraded reader for existing proximity access control systems, interfacing with whatever data output is required for your system. The reader is preset with specific *keys* and only a valid mi*PASS* card with matching *keys* can be read by the reader ensuring that the system cannot be compromised.

The reader incorporates a LED and buzzer that can be configured within the security system to provide visual and audible feedback for confirmation on access control modes.

- **mi*PASS* - Contactless Mifare® 13.56 Mhz technology (ISO 14443A).**

- **Programmable as a MAD, Sector or Serial reader.**

- **Configurable on most access control systems to enable switchable function between card only, card & PIN and PIN only.**

- **Conventional security wiring.**

- **Fast verification and authentication processing time; less than one second.**

- **Interchangeable with any existing Wiegand access control readers. i.e Prox (125kHz) & Magstripe.**

- **Wiegand, RS485, Magstripe and Clock & Data and custom configuration outputs.**

- **Visual (LED) and audible (Buzzer) feedback.**

- **2 x 16 character LCD display (BT843 only)**

- **12 button KeyPad.**

- **IP40 standard finish for internal applications.**
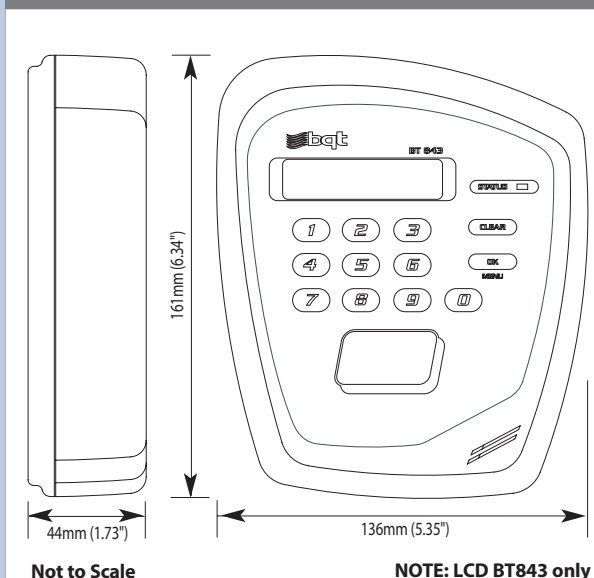
- **3 year warranty.**

mi*PASS*ACCESS *KeyPad*

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| Designed & Manufactured in Australia

Reader output	Wiegand 26 to 40 bit, RS485, Magstripe, Clock & Data & Custom			
Data encryption option	RS485 mode only - AES 128 bit encrypted data when used with			
	BQT's High Secure Module (HSM).			
Power requirement	10 - 14Vdc			
Normal current consumption	**BT823** 150ma		**BT843** 250ma	
Activated current consumption	200ma		300ma	
Read range	20-60mm (0.8" - 2.4") (typically)			
Operating temperature	0ºC to + 55ºC (32ºF to 131ºF)			
Relative humidity	90% max, operating non-condensing			
Reader dimensions	136mm x 161mm x 44mm (5.35" x 6.34" x 1.73")			
Status LED's	Amber, Green & Red			
LCD (BT843 only)	2 x 16 Characters			
LCD Messaging (BT843 only)	***PRESENT CARD, ENTER PIN, ACCESS DENIED, ACCESS GRANTED***			
	Custom Messaging available in RS845 mode.			
KeyPad	12 button KeyPad			
Audible Tone	Tone on matching software key and wired external buzzer control			
Colour Finish	Grey			
IP Rating	IP40			
Part number	**Wiegand**	**Magstripe**	**Clock & data**	**RS485**
BT823	BT823W	BT823MS	BT823CD	BT823R
BT843	BT843W	BT843MS	BT843CD	BT843R

Specifications subject to change without notice.

dimensions

161mm (6.34")

44mm (1.73")   136mm (5.35")

Not to Scale   **NOTE: LCD BT843 only**

BQT offers a complete range of smart card security solutions to suit all logical and physical access control requirements, including highly secure data encryption & biometric technologies.

To learn more, please visit our website:

www.bqtsolutions.com

Or contact us at one of our global locations.

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