

INDUSTRIAL WEATHERPROOF BLUETOOTH LOCK YG80B



Product Overview

The YG80B Bluetooth enabled lock secures everything from prisons, cargo containers, gates, roller doors and any other locations where security and convenience is of the highest importance.

Engineered with a primary focus on weather resistance, the YG80B features a UV-resistant lid and a built-in heater, making it well-suited for deployment in extreme environmental conditions.

Equipped with built-in Bluetooth technology, the YG80B can be installed within your facility, ensuring it remains out of reach from potential attacks whilst still allowing for convenient and secure operation directly from your mobile phone.

Why BQT Solutions

BQT Solutions is a specialist in the development, manufacture and supply of high quality, high security card and biometric readers, electromechanical locks and related electronic security products. Providing high security solutions to verticals such as Airports, Hospitals, Prisons and Government for over 35 years.

Innovating today for a more secure tomorrow

Product Benefits

Benefit One

The YG80B unparalleled strength lies in its 18mm stainless steel bolt pin and reinforced strike. Exceeding the highest UL 1034 strength standards and with concealed mounting bolts to eliminate attack points, the YG80B is the optimal choice for securing your facility and precious assets.

Benefit Two

Unlike other locks which are commonly installed on the exterior and vulnerable to attacks, the YG80B, with its integrated Bluetooth technology, can be strategically placed within your facility. This enables safe, seamless and secure operation directly from your mobile phone, combining simplicity with robust security measures.

Benefit Three

The versatile YG80B lock is reliable inside and out, in the 40°C heat and in freezing snowstorms. It holds an IP67 rating and is reliable in all environments as it comes with and onboard heater.

Benefit Four

Offering feedback to the control panel of the door and bolt positions is a standard feature of the YG80B. Monitoring the position of the door and whether the bolt pin is extended or retracted provides vital information needed to ensure a site is safe and secure. In addition, a tamper monitor will let you know if the lock is being attacked.

PRODUCT FEATURES

High Security

With an 18mm diameter stainless steel bolt pin and reinforced strike design, the YG80B has a tested and approved holding force that exceeds the highest level of the UL Burglary Resistant Electric Locking standard UL 1034. The mounting bolts for the lock are concealed under the lock's cover, which can't be removed without triggering the tamper detection monitor.

Complete Monitoring

The YG80B has a range of output signals - bolt locked and unlocked position, door position, and tamper detection. Monitoring the position of the door and whether the lock is open or closed, the YG80B will connect to your access control system to display the status of the lock for security.

Weatherproof

The YG80B has been designed from the ground up with weatherproofing as a critical feature. With an IP67 certified design, E-coated aluminium lock body and strike for excellent corrosion resistance, and a built-in heater for continued functionality in sub-zero climates, the YG80B can handle any environment it is placed in.

UL Listed

Holding the UL certification, the YG80B has been tested and awarded the American Standard - UL certification, which specifies requirements and test methods for strength and durability of electrical and electronic components for all types of electromechanically operated locks and striking plates used on doors, window doors and entrance doors in buildings, and has complied with these standards and testing, to ensure product integrity.

Complete Control

With advanced Bluetooth technology built right in, the YG80B gives the user ultimate control over their security. Offering additional features like user-selectable fail safe / fail secure operation, multiple attempts to lock / unlock and the option to hardwire into a PACS if desired, the YG80B really puts control in your hands.

Low Current Consumption

With the heater disabled, the YG80B will draw as little as 50mA in standby and only 300mA operation at 12VDC. Low current paired with high-security access control makes the YG80B a preferred product choice for many industry leaders.

Versatile Installation

The symmetrical design means the YG80B can be installed both horizontally and vertically in indoor and outdoor environments. In addition, the included three-metre flying cable ensures easy connection for all the monitoring, control, and the 12-24VDC power supply.

Product Applications

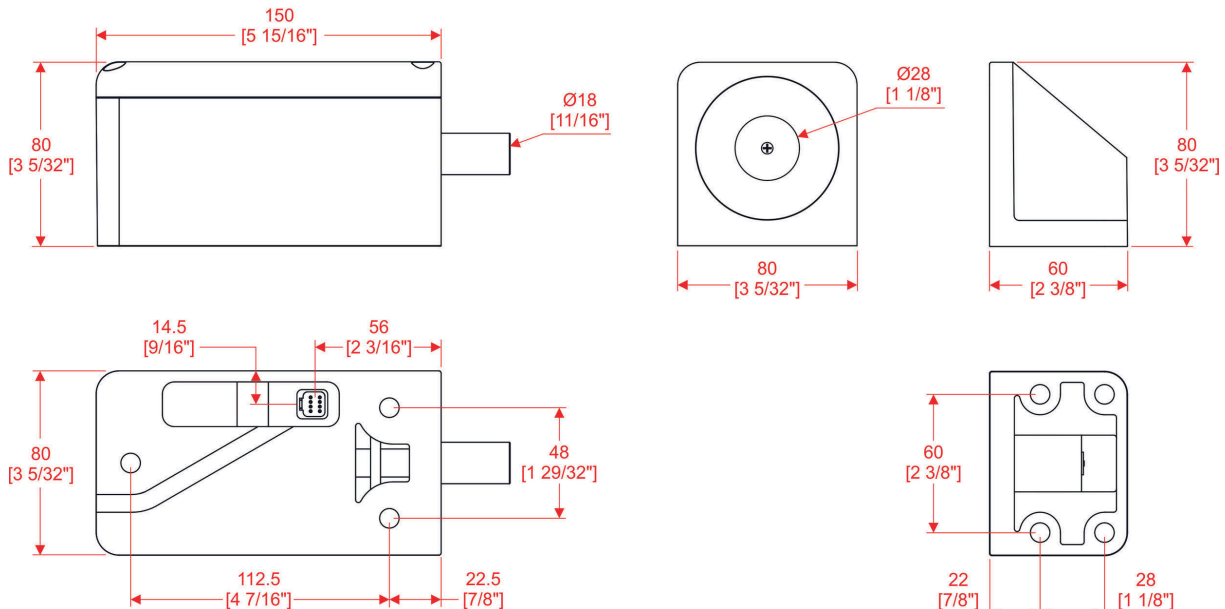
Deployed in environments requiring unparalleled strength and convenience, the YG80B robust design caters to the demands of challenging environments. From gates and roller doors to trucks and shipping containers, the YG80B addresses locking challenges for large openings. Prevalent in military, corporate, and government sectors, the YG80B prioritizes both strength and convenience, making it the preferred solution for your security needs.

SPECIFICATIONS

- **Door Gap**
15mm (9/16") maximum
- **Static Strength**
40,000 newtons (9000 lbf)
- **Dynamic Strength**
200 joules (factory tested to UL 1034 standard)
- **Endurance**
Cycle tested to 300,000 operations
- **Bolt Pin**
Ø18mm (Ø11/16")
Ø30mm (Ø13/16") extension
Ø28mm (Ø1 1/8") extension
- **Voltage at Lock**
12 - 24VDC ±15%
- **Current Usage**
Standby: 40mA@12V, 30mA@24V
Maximum: 1.0A@12V, 0.5A@24V,
2.0A@24V with heater on
- **Monitor Switch Ratings**
24VDC, 0.25A
- **Materials**
Lock / Strike Body: Aluminium 383
Lock Lid: Glass Reinforced Polypropylene
Bolt Pin: Stainless Steel 304
Strike Ring: UV Stabilized ABS
- **Compliance and Certification**
CE Compliant
RoHS 2 Compliant
FCC Part 15 / ISED Compliant
IP67 Ingress Protection
Grade 4 Corrosion Resistance
(EN 1670:2007)
Cold Operation -35°C (EN 60068-2-1:2007)
Dry Heat Operation +70°C (EN 60068-2-2:2007)
- **Lock Variants**
YNL310A – Lock with Strike
- **Accessories**
YNL303A – Strike

DIAGRAM - YG80B

Diagrams are not to scale. Measurements are in millimeters (mm) and inches



MODEL COMPARISON

NAME	APPLICATION	LIFECYCLE	HOLDING FORCE	LOCK DIMENSIONS	BOLT PIN DIMENSIONS	POWER USAGE
YD30D	Securing misaligned double acting doors, Releasing under sideload pressure	1,000,000	1000kg	255x30x51	10mm thick, 13mm extension (2 Pieces)	Input Voltage:12-24VDC+15% Current (stand by) 40mA-30mA Current (Peak) 1A-0.5A
YD30S	Securing misaligned single acting doors, Releasing under sideload pressure	1,000,000	1000kg	160x30x51	10mm thick, 13mm extension	Input Voltage:12-24VDC+15% Current (stand by) 40mA-30mA Current (Peak) 1A-0.5A
YD25	Single Acting Doors	1,000,000	1000kg	210x25x42	12.7mm thick, 16mm extension	Input Voltage:12-24VDC+15% Current (stand by) 130mA-80mA Current (Peak) 1A-0.5A
YD25L	Double Acting Doors	1,000,000	1000kg	210x25x43	12.7mm thick, 16mm extension	Input Voltage:12-24VDC+15% Current (stand by) 130mA-80mA Current (Peak) 1A-0.5A
YD25K	Single Acting Doors	1,000,000	1000kg	210x25x44	12.7mm thick, 16mm extension	Input Voltage:12-24VDC+15% Current (stand by) 150mA-90mA Current (Peak) 1A-0.5A
YD38	Single Acting Doors	1,000,000	2000kg	203x37.5x44	14.2mm thick, 14mm extension	Input Voltage:12-24VDC+15% Current (stand by) 150mA-90mA Current (Peak) 1A-0.5A
YD38L	Single Acting Doors	1,000,000	2000kg	203x37.5x45	14.2mm thick, 14mm extension	Input Voltage:12-24VDC+15% Current (stand by) 40mA-30mA Current (Peak) 1A-0.5A
YG80B	Securing large openings, high strength, extreme environments, bluetooth enabled	300,000	4000kg	80x80x150	18mm thick, 30mm extension	Input Voltage:12-24VDC+15% Current (stand by) 40mA-30mA Current (Peak) 1A-0.5A - 2A with heater
YG80	Securing all large openings, high strength, extreme heat and cold environments	300,000	4000kg	80x80x150	18mm thick, 30mm extension	Input Voltage:12-24VDC+15% Current (stand by) 40mA-30mA Current (Peak) 1A-0.5A - 2A with heater

WARRANTY

Unless specified otherwise, the Company warrants to the Customer that ' BQT Solutions Branded Products' (excluding third party products and software) are covered by a return to base warranty on defects in materials and workmanship affecting normal use for a period of the Warranty offered under the Standard Terms and Conditions of Sale from BQT invoice date ('Standard Warranty')

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