

alpro

High Security Motorised Lock

YG80



The YG80 (Orca) is a high-security, motor-driven locking solution for roller doors, gates, cargo containers, and oversized industrial doors. Engineered for reliability in harsh environments, the YG80 offers exceptional holding force, IP67 weather protection, and full monitoring integration with access-control systems.

High Security

- Concealed mounting bolts with tamper detection
- Holding force exceeding UL1034 high-security standard

Environmental Resilience:

- IP67 ingress protection
- E-coated aluminium body
- Optional heater for sub-zero climates

Monitoring & Control

- Bolt position (locked/unlocked)
- Door position
- Tamper detection
- Fail-Safe or Fail-Secure selectable

Flexible Mounting

- Horizontal or vertical downwards (only)
- Indoor or outdoor locations
- 3m weather-sealed flying cable

Do not mount it vertically firing up.

Bluetooth Function (Simplified)

- Lets you lock/unlock via the BQT Connect app
- Works only within Bluetooth range
- No keypad, relay, or wired controller needed
- Your phone acts as the key

Operation

- Tap Unlock → bolt retracts
- Tap Lock → bolt extends (when door is closed)
- Requires Toggle or Twin-wire mode

Electrical Parameter

Voltage: 12-24VDC $\pm 15\%$

Standby Current: 40 mA @ 12V/30 mA @ 24V

Activating Current: 1.0A @ 12V/0.5A @ 24V

Heater Current: Up to 2.0A @ 24VDC

Monitor Switch Rating: 24VDC, 0.5A

Environmental Parameter Rating

Operating Temperature: -35°C (EN 60068-2-1:2008) to $+70^{\circ}\text{C}$ (EN 60068-2-2:2008)

Corrosion Resistance: Grade 4 (EN 1670:2007)



3 YEAR WARRANTY

Ordering Information

Description

YG80 Orca Lock and Strike Plate

YG80 Orca Lock and Strike Plate Bluetooth Version

Code

YG80

YG80-B

Compliance

CE compliant

RoHS 2 compliant

FCC CFR 47 Part 15/ISEO

UL1034 high-security electric lock requirements

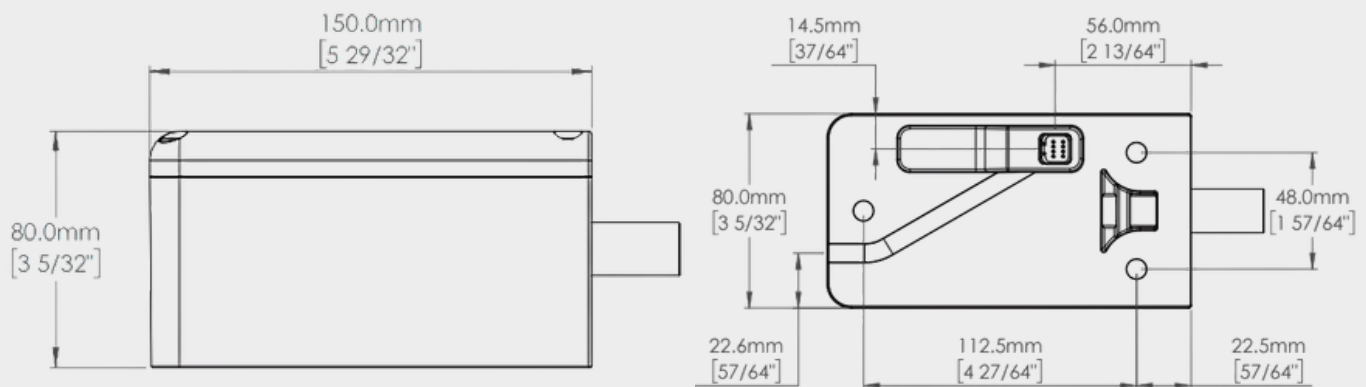
IP67 Environmental certification

Neoprene gasket included for thermal isolation.

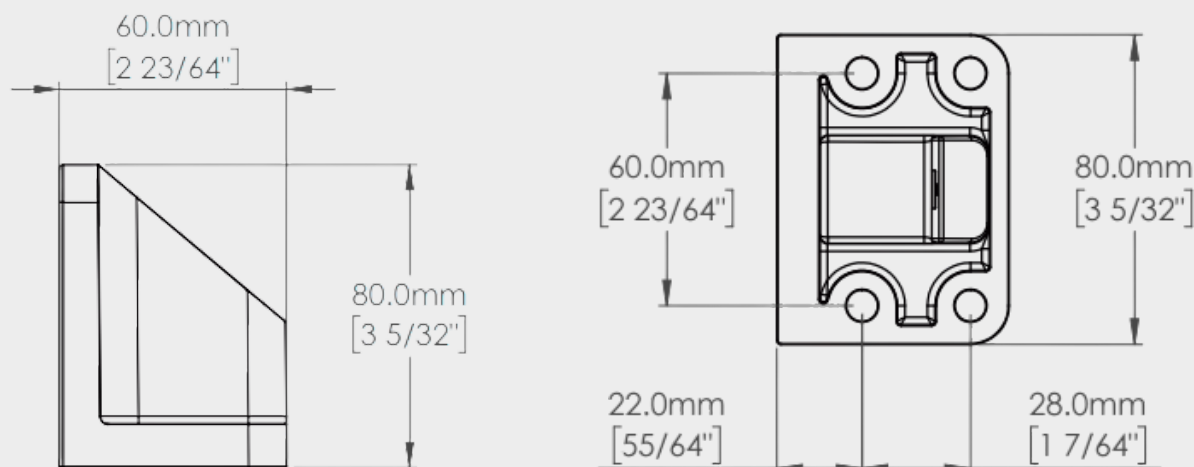
Mounting bolts not supplied — installer selects based on substrate.

Ensure alignment between bolt and strike for full extension.

Lock Dimensions



Strike Dimensions



All dimensions are shown in mm.