

RCI YG80 Weatherproof Lock



True security

The YG80 lock is the most advanced roller door and gate lock to date. The lock is suited for indoor and outdoor environments, providing a solution for roller doors and oversized doors and gates. Made for any climate and any entry, this award-winning breakthrough product is a motor driven, high strength lock for securing any opening that needs true security.



YG80 Benefits

High Security

With an 18mm diameter stainless steel bolt pin and reinforced strike design, the YG80 has a tested and approved holding force that exceeds the highest level of the UL Burglary Resistant Electric Locking standard UL1034. The mounting bolts for the lock are concealed under the lock's cover, which can't be removed without triggering the tamper detection monitor.

Weatherproof

The YG80 has an IP67 certified design, E-coated aluminum lock body and strike for excellent corrosion resistance. The built-in heater ensures continued functionality in sub-zero climates.

UL Listed

The YG80 is UL certified, ensuring product strength, durability and integrity.

Low Current Consumption

With the heater disabled the YG80 will draw as little as 40mA in standby and 1A in operation at 12VDC.

Complete Monitoring

The YG80 has a range of output signals including 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 YG80 will connect to your access control system to display the status of the lock for security.

Integrated Access Control

With field selectable fail safe / fail secure modes, three selectable control methods, and multiple attempts to lock or unlock, the YG80 is ready for a wide range of application requirements and can be integrated with many access control or alarm systems.

Versatile Installation

The symmetrical design means the YG80 can be installed both horizontally and vertically in indoor and outdoor environments. In addition, the included three-meter flying cable ensures easy connection for all the monitoring, control, and the 12-24VDC power supply

Advantages at a glance

Made for any climate and any entry, this award-winning breakthrough product is a motor-driven, industrial strength lock for securing any opening that needs true security and access control connectivity.

High Security - 18mm diameter stainless steel bolt pin and reinforced strike design.

Weatherproof - an IP67 certified design.

Built in heater - Ensures functionality in sub-zero temperatures.

UL Listed - Awarded the American Standard UL1034 and UL 294 for strength and compatibility.

Complete Monitoring - Output signals include bolt lock and unlocked, door position and tamper detection.

Field Selectable Modes - Fail - safe and fail - secure.

Versatile Installation Options - Can be installed both vertically and horizontally.

Eco - Friendly - Draws as little as 40mA in standby and only 1000mA in operation at 12VDC.



Specifications

Door gap	15mm maximum
Static strength	8,800 lbs. pounds force
Dynamic strength	148 ft-lbs / 200 joules (factory tested to UL 1034)
Endurance	Cycle tested to 300,000 operations
Bolt pin double (2 pieces)	18mm, 30mm extension, 28mm receiver
Voltage at lock	12 - 24VDC \pm 15%
Current usage	Standby: 40mA@12VDC, 30mA@24VDC Maximum: 1.0A@12V, 0.5A@24V 2.0A@24V with heater on
Monitor switch ratings	24VDC, 0.25A
Materials	lock/strike body: Aluminum 383 Bolt pint: 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)

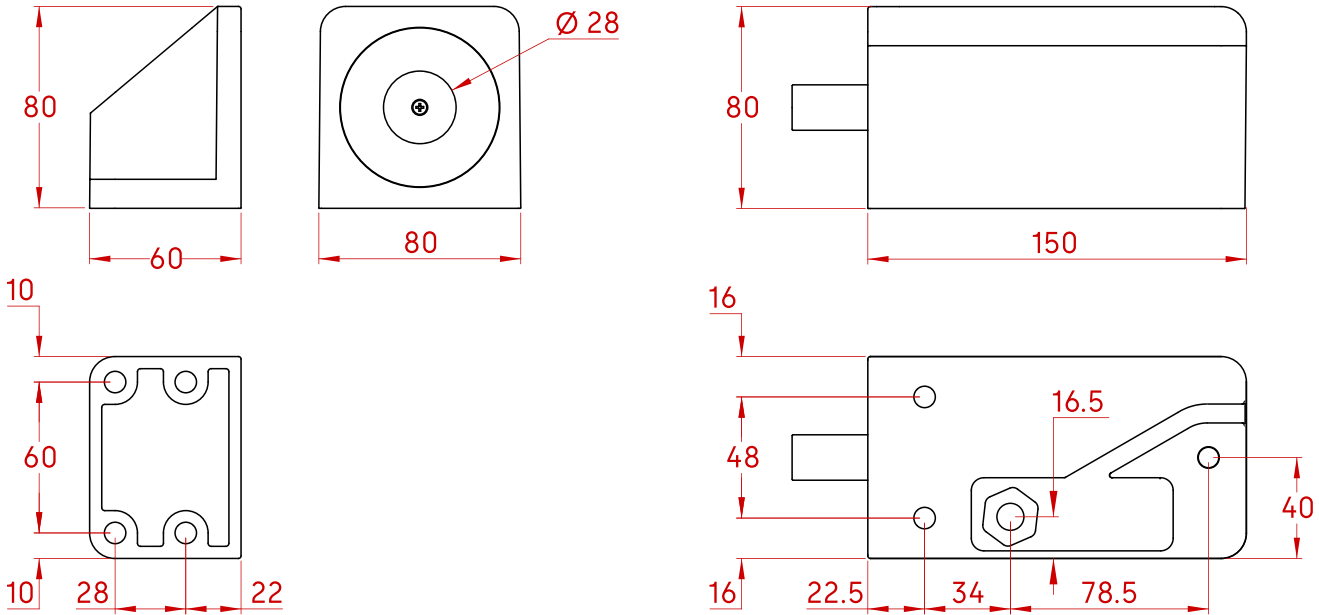






Next level access

Dimensions



YG80 applications

Used where strength is the dominate requirement and where the environment is unrelenting. Commonly seen on gates and shipping containers but used to solve a wide variety of locking problems for large openings. Military, Corporate and Government sectors are the biggest users.



Infrastructure



Defence



Transport



Warehousing



Enclosures



Corrections



Commercial



Retail



Door Hardware



Electronic Access & Data



Mechanical Key Systems



Lodging Systems



Entrance Systems



Interior Glass Systems



Safe Locks



Service

Building With Conscience

Sustainability

Differentiator for our customers and driver for growth



Planet

We open the doors to a low-carbon and circular economy.

We develop innovative and resourceefficient solutions for the circular economy and do our part to ensure a climate-resilient future. We offer durable and energy-efficient products that help our customers achieve their own sustainability goals.

People

We empower our people so that they can unlock their full potential.

We create a fair, inclusive and safe culture that enables our employees to thrive. We provide a workplace where they can continuously grow, openly contribute with their ideas and feel proud of their achievements.

Partnership

We collaborate to promote sustainable development beyond our own doors.

We lead by example and engage with our partners to drive more eco-friendly practices and support the protection of human rights. Through our secure access solutions, we also contribute to people's health and safety. We work with partners to raise awareness of safe operating practices for our products.

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Contact us

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