



RG80

Weatherproof Lock

The RG80 is the foremost high-strength lock designed for securing gates, roller doors, shipping containers and any other commercial door or entry way.

Designed with weatherproofing as one of its critical features the RG80 offers an impressive IP67 weather rating an E-coated aluminium lock body and strike for excellent corrosion resistance and a built-in heater for continued functionality in extreme cold environments.

With full monitoring outputs including tamper proof detection along with user configurable control settings, the RG80 is the perfect indoor and outdoor locking solution.

Extreme Security

- Automatic deadbolting, 18mm diameter stainless steel bolt pin
- 50,000N holding force (5,000Kg)

Varied Voltage Input

- Input voltage from 12VDC - 24VDC

Complete Monitoring

- Door position switch
- Bolt locked monitor
- Bolt unlocked monitor
- Anti-tamper detection monitor

Integrated Access Control

- Selectable timed re-lock after 1 minute
- Multiple attempts to lock and unlock
- User selectable fail safe / fail secure operation
- 3 user selectable control methods

Versatile Installation

- Horizontal or vertical installation

Security System Compatible

- Integrate with access control and alarm systems

Low Current Consumption

- With heater disabled, the RG80 will draw as little as 30mA in standby and only 300mA in operation at 12VDC

Advantages at a glance:

- Secure roller door or gate of any shape or size
- Automatic deadbolting providing high security
- Selectable Fail Safe to Fail Secure
- Versatile Installation in indoor and outdoor environments
- Compatible with security systems

Typical applications:

- Security gates
- Roller doors
- Cold storage rooms
- Shipping containers
- Commercial doors

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Specifications

Dimensions Lock – RG80 L Strike - RG303A	150L x 80W x 70D(mm) 80L x 80W x 60D(mm)
Door Gap	15mm Maximum
Dynamic Strength	200 Joules
Holding Force	50,000N (5000Kg)
Weather Rating	IP67
Cycle Tested	300,000 cycles
Voltage at Lock	12-24VDC +/-15%
Current Usage Standby Maximum: Heater On (24VDC only):	40mA/12VDC, 30mA/24VDC 1.0A/12VDC, 30mA/24VDC 2.0A/24VDC
Monitors Switches	24VDC, 025A
Operating Temperature	-35oC ~ +70oC
Operating Mode	Fail Secure/Fail Secure
Bolt Pin	Stainless Steel, ø18mm, 35mm stroke
Material Lock/Strike Body Bolt Pin Strike Ring	Aluminium: A383 Stainless steel: 304 UV Stabilized ABS

Note: RG80 Weatherproof lock includes the Strike

With an 18mm diameter stainless steel bolt pin and reinforced strike design, the RG80 has a holding force in excess of 50,000N. The mounting bolts for the lock are concealed under the lock's cover, which can't be removed without triggering the tamper detection monitor.

The RG80 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 colder climates, the RG80 can handle any environment it is placed in.

Dimensions

