



NEW

Max beam length

5 m

Opening time

<2 s (80° with 3 m beam)

Use frequency

Continuous use



- Maximum Anti-crushing safety and motor with integrated encoder
- Speed adjustment and smooth operation.
- Integrated control unit in the upper part of the beam body, i.e easy maintenance and intuitive programming



DIMENSIONS AND TECHNICAL SPECIFICATIONS

Model	B614
Power supply voltage	220-240V ~ 50/60 Hz
Motor	With brushes 24V ---
Max. power	165 W
Max. torque	300 Nm - 63 Nm (Thrust - 45°)
Material type	Steel
Type of treatment	Deep zinc treatment, thickness 15µm + polyester dust painting
Encoder	Incremental integrated in the motor
Type of deceleration	Electronic + mechanic
Type of beam	Rectangular and round
Operating ambient temperature	-20°C ÷ +55°C
Protection class	IP55
Weight	40 Kg
Dimensions (LxDxH)	360 x 250 x 1163 mm
Beam max length	5 m
Opening time	< 2 s (80° - 3m)
Use frequency	100%
Electronic equipment	E614

(*) data referred to 230V~ 50Hz.

FAMILY MODELS

Model	Item code
B614 Red RAL 3020	104614

Available starting from June 2018

PACKS

B614 includes: barrier cabinet, electromechanical gearmotor and transmission unit, electronic control unit, installation accessories, a triangular release key.

Typical Installation Examples page. 349

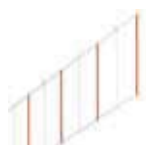
ELECTRONIC CONTROL UNITS



E614 Control unit
(built-in)
Info at page 160
As of June 2018

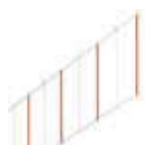
63001034

COMMON ACCESSORIES FOR ALL APPLICATIONS



Skirt kit length 2 m

428441



Skirt kit length 3 m

428446



Adjustable end foot for
beam support

428805



Support plate for fork

737621



Adjustable fork for
beam support

428806



Foundation plate
As of June 2018

490183

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B614 integrated
flashing traffic light
As of June 2018

410031



Double spring fittings
pack ♦
As of June 2018

490186



Supplementary
triangular release key
(10 pcs. pack)

713002

XBAT 24 emergency
battery kit

390923

NOTE

♦ Use in case two balancing springs are needed. See balancing springs table in the following pages.

ROUND BEAMS S AND SPECIFIC ACCESSORIES



Round beams S - Ø
75 mm
(adhesive labels not
included)

Length (mm)	Item code
2.300	428045
3.300	428042
4.300	428043
5.000	428002

The round S beams are supplied with protective rubber and for balancing reasons it is not possible to install on the beam profile the "active" safety edge.



Fixing bracket for
round beams S 615/620/
B614 ♦

428445



Articulated kit for
round beam S (max
4 m)

428444

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Luminous cord 12 m
pack

390993



Adhesive reflector kit
(6 pcs.)

490117



Round beam light
connection kit S/L

390992

BALANCING SPRINGS FOR ROUND BEAMS S WITH LIGHTS (NUMBER OF NEEDED SPRINGS)

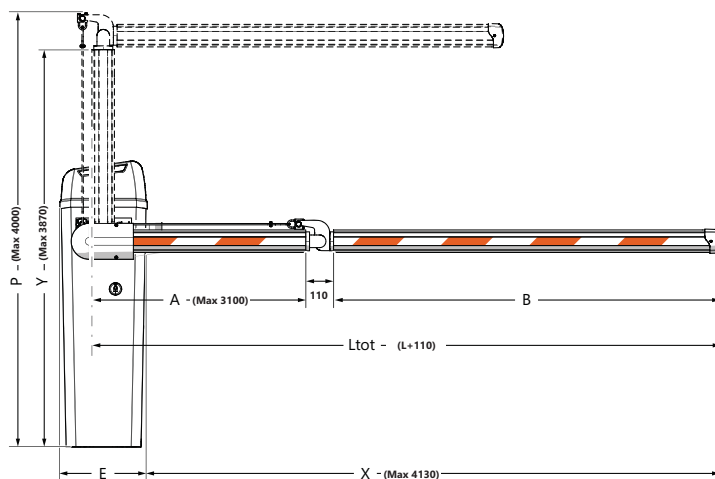


Balancing spring for
B614
As of June 2018

721209

Beam length	Without accessories	With lights	With skirt	With end foot	With lights and end foot	With skirt and end foot	With lights, skirt and end foot	With articulation kit
0 ÷ 3.200 mm	1	1	1	1	1	2	2	1
3.200 ÷ 3.700 mm	1	1	1	1	2	2	2	2
3.700 ÷ 4.200 mm	1	2	2	2	2	2	2	2
4.200 ÷ 4.700 mm	2	2	2	2	2	2		
4.700 ÷ 5.200 mm	2	2	2	2	2			

The balancing springs are not included in the cabinet and must be ordered separately.



Misure (mm)
Size (mm)

A	P - 900
B	L - A
E	360
X	L - 170
L	A+B (Max 4300)

NOTE

♦ The beam bracket is not included in the cabinet and must be ordered separately

RECTANGULAR BEAMS AND SPECIFIC ACCESSORIES



Rectangular standard beam

Length (mm)	Item code
2.315	428088
2.815	428089
3.815	428090
4.815	428091

The rectangular beams are supplied with protective rubber and for balancing reasons it is not possible to install on the beam profile the "active" safety edge.



Beam bracket for rectangular beam

428342



Articulation kit - H max ceiling 3 m (only for rectangular standard beams)

428137

BALANCING SPRINGS FOR RECTANGULAR BEAMS (NUMBER OF NEEDED SPRINGS)

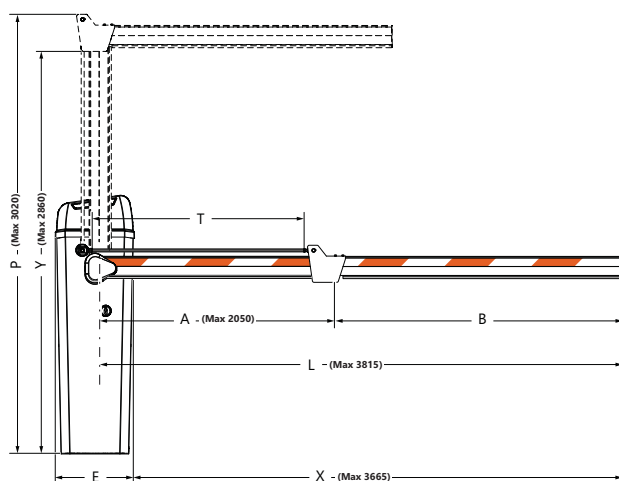


Balancing spring for B614
As of June 2018

721209

Beam length	Without accessories	With lights	With skirt	With end foot	With skirt and end foot	With articulation kit
0 ÷ 2.000 mm	1	1	1	1	1	1
2.000 ÷ 2.850 mm	1	1	1	1	1	1
2.850 ÷ 3.350 mm	1	1	1	1	1	2
3.350 ÷ 3.850 mm	1	1	2	2	2	2
3.850 ÷ 4.350 mm	1	2	2	2	2	
4.350 ÷ 4.850 mm	2	2	2	2	2	

The balancing springs are not included in the cabinet and must be ordered separately.



Misure (mm)
Size (mm)

A	P - 970
B	L - A
T	A - 50
E	360
X	L - 150

OTHER ACCESSORIES

Key operated buttons
page 176

Safety devices
page 190

Transmitters and receivers
page 168

Photocells and columns
page 186

Flashing lights
page 198

Various accessories
page 200

Automatic 230V Barrier



Max beam length

7 m

Opening time

4 s

Use frequency

Continuous use

- Patented electronic deceleration and barriers status signalling through traffic management devices.
- Ideal for large industrial accesses, with particularly demanding use.
- Two channels integrated detector and 11 pre-set logics



DIMENSIONS AND TECHNICAL SPECIFICATIONS

Model	640
Power supply voltage	220-240V~ 50/60 Hz
Motor	Asynchronous single phase
Motor rotation speed	1.400 - 2.800 rpm (*)
Max. power	220 W
Max. torque	0 ÷ 470 Nm / 0 ÷ 340 Nm / 0 ÷ 250 Nm / 0 ÷ 210 Nm (*)
Motor-pump unit capacity	0,75 - 1 - 1,5 - 2 lpm (*)
Material type	Steel
Type of treatment	100 micron protective primer + polyester painting RAL 2004
Encoder	No - anti-crushing hydraulic safety device
Type of deceleration	Electronic - Adjustable with cams
Type of beam	Rectangular - Rectangular with skirt
Operating ambient temperature	-20°C ÷ +55°C
Thermal protection	120°C
Cooling	With forced air
Protection class	IP44
Weight	84 Kg
Type of oil	FAAC HP OIL
Dimensions (LxDxH)	380 x 200 x 1080 mm
Beam max length	7 m
Opening time	4 s (90° - 5 m)
Use frequency	100%
Electronic equipment	624BLD incorporated

(*) data referred to 230V~ 50Hz.

FAMILY MODELS

Model	Item code
640 L/R	See table below

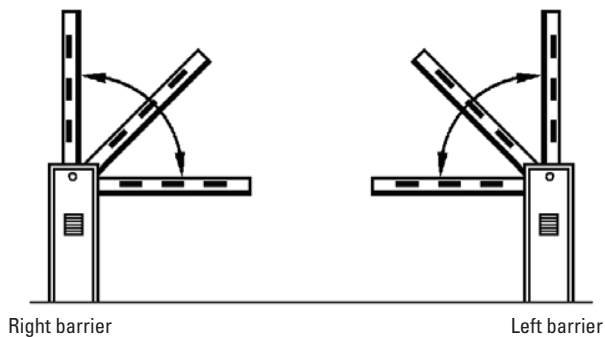
PACKS

640 includes: barrier body, oil-hydraulic movement transmission system complete with a balancing spring, incorporated 624BLD electronic board, installation accessories, one triangular release key.

Typical Installation Examples page. 339

BARRIER ORDERING CODES TABLE

Model	Beam	Beam length (mm)	LH version code	RH version code
640	640 rectangular	3.750 ÷ 4.240	1046828	1046608
		4.250 ÷ 5.240	1046838	1046618
		5.250 ÷ 6.740	1046848	1046628
		6.750 ÷ 7.000	1046858	1046638
	640 rectangular with skirt	3.750 ÷ 4.240	1046898	1046688
		4.250 ÷ 5.240	1046848	1046628
		5.250 ÷ 5.740	1046908	1046698
		5.750 ÷ 6.240	1046858	1046638
		6.250 ÷ 7.000	1046918	1046708



NOTE

You can determine right or left barrier version by looking at the barrier from the door side (see drawing).
Normally the booth window faces the interior of the property.

ELECTRONIC CONTROL UNITS



624BLD electronic control unit (incorporated)
Info at page 160

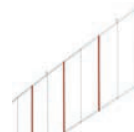
2022715

COMMON ACCESSORIES FOR ALL APPLICATIONS



Foundation plate

490059



Skirt kit length 2 m ♦

428441



Skirt kit length 3 m ♦

428446

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Adjustable fork for beam support

428806



Support plate for fork

737621



Adjustable end foot for beam support ♦

428805



Anti-vandalism valve

401066



Anti-panic unit ♦

401051



Release lock with customised key (from n. 1 to n. 10)

424681-90

>>



Supplementary triangular release key (10 pcs. pack)

713002

NOTE

- ♦ For correct balancing, installing an end foot on a beam and on a beam with skirt requires a barrier cabinet for a beam length greater than 0.5 m.
- ♦ The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier. It allows manual opening of the beam in case of power cut.

AC-215

Advanced Scalable Networked Access Controller



THE STATE-OF-THE-ART SINGLE/DUAL DOOR AC-215 NETWORKED ACCESS CONTROLLER IS THE BACKBONE OF MEDIUM SCALE SECURITY SYSTEMS HANDLING UP TO 5,000 USERS AND 2046 DOORS. DRIVEN BY ROSSLARE'S POWERFUL, FLEXIBLE, AND EASY TO USE AxTraxNG™ SOFTWARE, THE SYSTEM PROVIDES AN IDEAL MODULAR AND EXPANDABLE SOLUTION FOR COMMERCIAL AND INSTITUTIONAL NEEDS. IT PROVIDES SEAMLESS INTEGRATION WITH ROSSLARE'S RANGE OF RFID PROXIMITY, PIN, PIN & PROX, SMARTCARD AND BIOMETRIC READERS WITH ROSSLARE'S SELECTION OF RFID CREDENTIALS.

GENERAL DESCRIPTION

AC-215 is suitable for applications with up to 5000 users across a modular 2046 doors, allowing maximum flexibility for securing a growing enterprise.

Each AC-215 access control unit (ACU) supports two readers (In/Out) of various formats including standard Wiegand 26-bit. Each ACU can be set to work as a single or double door controller.

The AC-215 is ready for installation with a mountable and lockable metal enclosure integrated with a transformer, power supply/charger, sounder and control board.

Using RS-232, RS-485, or PSTN communication means, multiple local or remote site networks can connect to the AxTraxNG™ Client/Server PC software running on Microsoft® Windows® XP / 7 operating systems.

MAIN FEATURES

- Up to 5000 users with access rights for every panel, across 2046 modular doors in a system
- 5000 'First In First Out' history event log, when offline
- Panel supports both 1-door (In/Out) and 2-door (In/Out, In/In or Out/Out) configurations
- Internal charger for external battery backup

- Supports PIN-only, PIN & PROX, or PROX-only readers
- Pre-installed enclosure components:
 - AC-AC power transformer, power supply/charger unit
 - Sounder unit
 - Space for a 7 AH SLA backup battery
 - Tamper switch
- Rugged, hinged metal enclosure that is lockable and vandal-resistant
- Real-time clock keeps time for up to 2 weeks without power. No batteries to replace
- 4-state supervised inputs (resistors included)

AxTraxNG™ CLIENT/SERVER SOFTWARE

- Based on SQL Express 2005 database
- Enables management of user data, photo with custom fields, access rights, alarms, strike times, and door modes from a central location
- Produces reports from acquired data, such as entry and exit times, and by alarm type with filters for user(s), location, and time
- Available in a large selection of languages

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ ACU Power Supply Voltage	12 VDC, regulated from PS-14 regulated power supply module
■ ACU Power Supply Max Current	500 mA input current limitation (PS-14)
■ ACU Input Current	Standby: 125 mA at 12 VDC, Maximum: 325 mA at 12 VDC
■ Relays	Four 5 A, N.O. and N.C. Form-C relays
■ Maximum Current for Readers	300 mA at 12 VDC

OPERATIONAL SPECIFICATIONS

■ Capacity	5000 users and 20,000 users without rights (Time & Attendance)
■ History Event Log Size	5000 events
■ Inputs	Four high-impedance, active low supervised inputs. Max. 5 VDC
■ Readers	Two Wiegand 26/32/34/37/40-Bit / C&D reader ports with tamper and LED control, 4-, 6- and 8-Bit burst keypad transmission support
■ Connectivity	RS-485/232, Dial-up (using MD-N33), TCP/IP (using MD-N32)
■ Networking	32 units/subnet on RS-485
■ Audio/Visual	Built-in sounder (Alarm, Chime, Bell) 8 on-board LEDs and 3 LEDs on power supply (PS-14)
■ Modes of Operation	Single Door (In/In), Dual Door (In/Out)
■ Time Zones and groups	32 multiple segment time zones, 64 holidays
■ Anti-Pass Back	Global anti-pass back (soft/hard), with 'forgive' option
■ Special Features	Interlock, first person delay, auto relock, scheduled outputs operation, 4 programmable site codes, extended unlocked time
■ Security Modes	Normal, Secure, Unlocked

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Indoor installation only
■ Operating Temperature	0°C to 49°C (32°F to 120°F)
■ Operating Humidity	0 to 85% (non-condensing)
■ RFI Protection	> 20 V/m up to 1000 MHz

PHYSICAL SPECIFICATIONS

■ ACU Board Dimensions	168 x 121 mm (6.61 x 4.76 in.)
■ Metal Enclosure	326 x 263 x 97 mm (12.8 x 10.4 x 3.82 in.)
■ Weight	2.4 kg (5.3 lbs) (including metal enclosure and transformer)

SYSTEM COMPONENTS

AC-215 is compatible with a range of Rosslare accessories, including a diverse selection of readers, accessories and serial converters to TCP/IP networks

PRODUCT WARRANTY

2-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

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ROSSLARE
SECURITY PRODUCTS
Experience The Difference

AY-U920BT

UHF SMART™ Extended Long-Range UHF-RFID
and Rosslare BLE-ID™ Reader

UHF
SMART



Bluetooth®
BLE 4.1

The AY-U920BT is a unique UHF-RFID credential reader with Rosslare BLE-ID™ credential read capability (for both iOS and Android). Installers can configure a wide range of operating parameters using our Rosslare BLE-Admin™ app. AY-U920BT brings a new level of convenience and productivity. The UHF read mode is ISO18000-6C (EPC GEN2) compliant. The reader is suitable for outdoor use in a wide range of RFID applications such as access control, transport management, vehicle management, car parking, and production process control, and works with almost every third-party controller. Choose Rosslare for professional “Security that lasts”.

GENERAL DESCRIPTION

By reading both UHF and Bluetooth (BLE), the reader enables system integrators to develop new solutions, such as multi-factor authentication. The AY-U920BT can be configured to read up to 70 credentials within the read range, and to buffer the output to the host controller in Wiegand 26-Bit to 64-Bit or SIA OSDP. The reader comes with an installation bracket kit for pole mounting, a 5-m-long 10-wire cable, and a switching power supply. The RS-485 OSDP wiring allows a maximum cable distance of 1000 m (3280 ft), and the Wiegand wiring allows a maximum cable distance to the host controller of 150 m (492 ft).

MAIN FEATURES

- MD-81 functionality built in
- Wide range of UHF credential form factors available
- UHF read range up to 12 m (39 ft)

- Supports Bluetooth communication for Rosslare BLE-ID™ smartphone apps for Android and iOS
- Can read up to 10 credentials per second or down to 1 credential per second (programmable)
- IP65 for indoor and outdoor use
- RGB LED used for operational indication

PROFESSIONAL GRADE FEATURES

- Supports OSDP reader profile according to v2.1.7 standard from Security Industry Association (SIA)
- Supports mobile Admin app for parameter configuration capability

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	9 to 12 VDC (2 A)
■ Input Current	Standby: 0.2 A max, Read: 1.2 A max
■ Credential Reading Distance*	Up to 12 m (39.4 ft) (adjustable) * Read range was tested with Rosslare's LT-UVS-26A-3000 card
■ BLE-ID Credential Reading Distance*	Up to 12 m (39.4 ft) (adjustable) – Line of sight. * Read range was tested with iPhone7 and Huawei P10
■ Transmission Protocol	Wiegand 26-Bit (Custom: Wiegand 34-Bit up to 64-Bit)
■ Maximum Cable Distance	150 m (500 ft) – Wiegand mode 1000 m (3000 ft) RS-485 – OSDP Mode
■ Frequency	AY-U920 BT US: 902–928 MHz (America) RFID AY-U920 BT EU: 865–868 MHz (Europe) RFID Bluetooth: 2.402-2.480 GHz
■ Hopping	The reader uses frequency hopping.
■ Read Sensitivity	Dual polarization read mode
■ Cards and Tags	Rosslare's LT-UVS-26A-3000 and LT-UVH-26A-7000 ISO18000-6B Tags EPC GEN2 (ISO18000-6C) Tags BLE credential using a mobile smartphone

ENVIRONMENTAL SPECIFICATIONS

■ Operating Temp. Range	-20°C to 80°C (-4°F to 176°F)
■ Operating Humidity Range	0 to 95% (non-condensing) Suitable for outdoor use (IP54)

PHYSICAL SPECIFICATIONS

■ Dimensions	44.5 x 44.5 x 6.7 cm (17.5 x 17.5 x 2.6 in.)
■ Weight	Gross: 4.2 kg (9.2 lb); net 3.5 kg (7.6 lb)

SYSTEM COMPONENTS

The AY-U920BT is compatible with standard access controllers. Packaging Includes AY-U920BT with 5-meter pigtail cable, pole mounting bracket, screw kit, AC/DC 2-amp power supply (gross).

UHF CREDENTIALS

Please refer to the UHF credentials datasheet for additional details about the compatible UHF credentials.

PRODUCT WARRANTY

2-year limited product warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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