BOUYGUES UK

PTS PROPOSED FORM - LMAR 31/08/18
REFERENCE: UCHL FORM / HLSE FORM / QUALITY

(PTS) PRODUCT TECHNICAL SPECIFICATION - APPROVAL SUBMITTAL FORM

Issuer : Package & Subcontractor :	403 CIL
Supplier used for the Submission:	WLS

MOUNT PLEASANT (MP1)

Description:	**Car Park Barrier**

As per "Bouygues numbering system & list of Authorised codes

Reference:

M P 1	C I L	A L L	S L	P T S	4 03	9 1 0 0 4 2	**B**
Project	Issuer	Area	Level	Type	Trade	Sequence Nº	Rev.

To be filled in by issuer: The BYUK Package Manager or supply chain (subcontrcator/ supplier)

Material Description	Car Park Barrier	**Intended location of use:**
Manufacturer name:	WLS	
Model / Selection:		**UPPER GROUND FLOOR-TOP OF THE RAMP, CAR PARK AREA**
Name of issuer representative (please print):	**Keith Burke**	

The materials of the PTS comply with:	Reference :	The materials of the PTS comply with:	Reference :
☑ Employer's Requirements		☑ Contractor's proposal	
☐ Notification of Variation		☐ Contractor's variation request	
☐ Client Confirmation of Instruction		☐ Others	

Attachments:

√ Data Sheet(s)	☐ Test reports / Certificates (s)	☐ Manual	☐ Catalogue
☐ Sample(s) location	☐ page(s)	☐ Other :	
with number of pages/ samples:			

Intended Order & Delivery dates:

30-Oct	27-Nov	2019

BYUK REVIEW

1) BOUYGUES INTERNAL REVIEW

REVIEWED BY BYUK PACKAGE MANAGER	REVIEWED BY BYUK DESIGN MANAGER	PROJECT LEAD APPROVAL:	CLIENT APPROVAL REQUESTED:
			☐ YES ☐ NO Comments:
STATUS A/B OR C + SIGNATURE	STATUS A/B OR C + SIGNATURE	STATUS A/B OR C + SIGNATURE	*Third Party / Comments section - Page 2 of 2

VFP Dispatch

Distribution List (External Review) :

☐ 1-MEP	☐ 2-ARCHITECT+MEP	☐ 3-STRUCTURAL+MEP	☐ 4-ARCH+MEP+SRUCT.+ACOUST.+FIRE
☐ 5-ARCHITECT	☐ 6-STRUCTURAL	☐ 7-ARCH+SRUCT	

CONSULTANT REVIEW

2) CONSULTANT REVIEW (STATUS / SIGNATURE (VFP MARKUP TOOLS) - COMMENTS SECTION PAGE 2 OF 2

ARCHITECT	MEP	STRUCTURAL	OTHER	OTHER
STATUS A/B OR C + SIGNATURE	STATUS A/B OR C + SIGNATURE	STATUS A/B OR C + SIGNATURE	STATUS A/B OR C + SIGNATURE	STATUS A/B OR C + SIGNATURE

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COMMENTS SECTION - PAGE 2 OF 2	
DESIGN CONSUTLANTS COMMENTS	**STRUCTURAL**
	MEP
	ARCHITECT
	OTHER:

THIRD PARTY REVIEW: CLIENT APPROVAL			
THIRD PARTY COMMENTS	**COMMENTS:**	**APPROVAL GIVEN:** ☐ YES ☐ NO (Rejected) **DATE:** -- / -- / ----	**NAME / SIGNATURE :**
BOUYGUES ANSWER/COMMENTS			

*STATUS A - APPROVED / STATUS B - APPROVED WITH COMMENTS / STATUS C : APPROVAL NOT GIVEN

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Mechanical and Electrical Sub-Contractor

C-249 & 257 Mount Pleasant

Technical Submittal

Project Reference: CIL-M-0015

File Name/Document Number: MP1-CIL-ALL-SL-PTS-403-910042

Title/Description: Car Park Barrier

Rev: A

CILANTRO

BOUYGUES

TECHNICAL SUBMITTAL

INCIDENT & INJURY FREE

			By	Checked	Date
A	Issued for approval		JTK	KB	17/10/2019
Revision	**Revision Detail**		**By**	**Checked**	**Date**

Trade Contractor

Trade Contractor Logo

CILANTRO

LONDON'S LEADING MEP CONTRACTOR

CILANTRO ENGINEERING UK LTD
7 Ridgmount Street
London WC1E 7AE
Tel: 020 7255 0642
Web: http://www.cilantroeng.co.uk

Status Stamp

Title:

Car Park Barrier

Document Number	**MP1-CIL-ALL-SL-PTS-403-910042**	**Revision**	**A**

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Contents

1.0   Introduction

We are proposing to install the Car Park Barrier which will be supplied and installed by WLS as per below attached technical data sheets.

CILANTRO

BOUYGUES

2.00   Manufacturer/Supplier Content

Technical Submission

No: 07	**Barrier**

Project Name:	Mount Pleasant Phase 1	Project Ref:	LD121

Copy To:

Company:	Cilantro MEP	FAO:	Keith Burke
Company:	Cilantro MEP	FAO:	Rory Nally

Description	Technical Submission

We will be supplying and installing a new 2 way barrier system with traffic lights to the car park. This will be installed at the top of the ramp with separate in and out barriers. The barrier will incorporate safety devices to minimize the risk of the barrier hitting vehicles.

Users will have a keyfob to allow entry. Should the keyfob not work a new Telguard intercom will be provided to call the RMG security control room.

On exiting the premises, a ground loop will be installed to allow free pass for all vehicles.

The barrier is for vehicle use only, not cyclists or pedestrians due to safety reasons.

1. Barrier

2. Vehicle Sensor

3. Traffic Lights

4. Intercom

For and on behalf of:	WLS	For and on behalf of:	Cilantro
Request By:	James Cox	**Return To:**	WLS Ltd
Date:	07/10/2019	**Returned By (Name):**	
Response Req'd By:	ASAP	**Return Date:**	

Signed:	*James Cox*	Signed:	

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www.faac.com.cn

620

Hydraulic barrier system for beams up to 5m

FAAC

620

FAAC

THE 620 AUTOMATIC BARRIER SUITABLE FOR BEAMS UP TO 5M.
AVAILABLE IN STANDARD OR RAPID VERSIONS

- The 620 standard has a duty cycle of 70% and will support a 5m beam and bottom skirt with an opening/closing speed of 3.5 to 4.5 seconds.
- The 620 Rapid offers a rectangular beam length of up to 4m with an opening/closing speed of 2 to 3 seconds. Round beams are available up to 3m.
- The 620 Super Rapid will support a 3m beam and operate on 0.8 seconds.
- All barriers have built in electronic slowdown to prolong the life of the barrier.
- The 624 BLD control board has a built in dual loop detector.
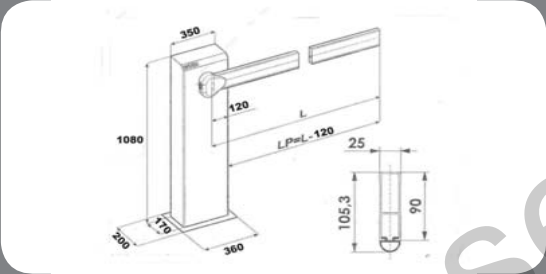
Fork support

Adjustable fork support with mag lock

Adjustable pogo stick

Dimensions of the standard and rapid units

New round beam with optional inbuilt LED lighting available up to 5m, (3m on rapid versions)
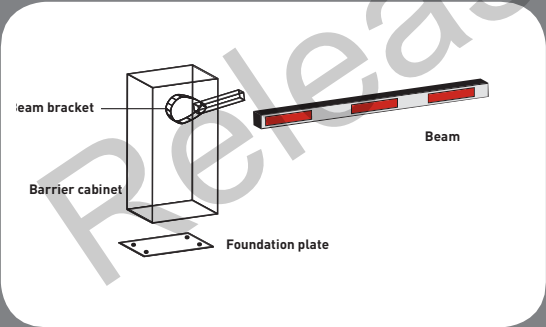
Diagram of beam mounting

Beam bracket

Beam

Barrier cabinet

Foundation plate

Technical specifications 620

	620	620 Rapid	620 Super Rapid
Power supply voltage	230 Vac		
Electric motor	single phase, bi-directional		
Absorbed current	1A		
Motor rotation speed	1,400 rpm	1,400-2,800 rpm	2,800 rpm
Pump flow rate	0.75/1 l/min	1.5/2 l/min	3l/min
Thermal protection on motor winding	120°C	120°C	130°C
Effective torque	0-200/0-150 Nm	0-100/0-80 Nm	0-
Electronic deceleration	Adjustable with cams		
Thrust capacitor	8µF 400V	8 µF 400V/16µF	16 µF 400V
Dimensions	350 x 170 x 1080	350 x 170 x 1080	380 x 200 x 1080

	620 standard	620 Rapid	620 Super Rapid
Operating ambient temperature	-20°C ÷ +55°C		
Weight	73 Kg		80 Kg
Type of oil	FAAC HP Oil		
Barrier body treatment	Cataphoresis		
Paint	Polyester RAL 2004		
Protection class	IP44		
Cooling		forced air	
Type of rectangular beam	standard- standard with skirt (4m) -articulated standard, round.	standard - articulated standard, round.	standard, round.

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Herkules 2E

Microwave motion detector
for industrial doors

Simple, proven, versatile

■ **Quick and easy installation**

■ **Two completely independent programmable outputs**

■ **Quick reaction time is ideal for high-speed doors**

■ **Differentiates between people & vehicles**

www.bircher.com

Herkules 2E

Microwave motion detector for industrial doors

Universally applicable

The Herkules 2E microwave motion detector has been specifically developed for use with industrial doors. It detects, differentiates between or masks out people or vehicles. Herkules 2E is a logical further refinement of our successful microwave detectors that are also used for automatic doors. Our long experience, combined with progressive planar technology, gives Herkules 2E a considerable range of functions and reliability.

User-friendly

Herkules 2E features two completely independent programmable outputs that give you complete flexibility for every application and the pulse on exit feature makes it even more versatile. Herkules 2E is extremely user-friendly and can be easily programmed.

Your benefits

Quick installation
- Quick and easy installation: bi-directional remote control and user-friendly settings

Two outputs
- Two completely independent programmable outputs for endless application scenarios

Easy installation and startup
- 6-wire cable and thicker wire gauge for easier installation
- 7 m long cable for maximum installation flexibility
- Mounting height range of 2 to 7 m covered by one sensor (no need for multiple sensors at different heights)

Intelligent control
- Differentiation between pedestrian and/or vehicle traffic
- Detects traffic moving toward and away from the door
- Cross-traffic optimisation prevents unwanted opening

Indoor and outdoor use
- Operating temperature range of −30°C to +60°C is ideal for cold storage applications
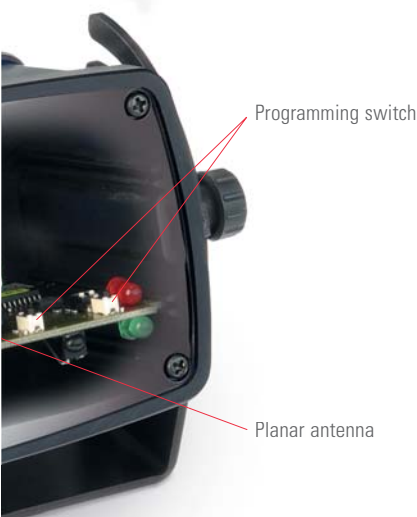
Door activation
- Ideal substitute for in-ground loops

Pulse on exit signals the door to close after vehicles leave: Protect vehicles & doors, save time, and keep unattended fire stations secure.

The industrial door must be secured with a safety edge / light barrier.

Programming switch

Planar antenna

Extended accessories

The RegloBeam 2 bidirectional remote control allows the Herkules 2E to be configured quickly and completely from ground level, and every single parameter can be adapted to the particular situation. The RegloBeam 2 is also used with many of our other detectors.

RegloBeam 2 remote control

Reliable in every application

Situation
Activation of sectional gates

Solution
- Optimum traffic flow thanks to reliable activation of the industrial door controller

Advantages
- Direction recognition means the industrial door only remains open for as long as necessary
- Crossing traffic masking to prevent unintentional opening of the industrial door
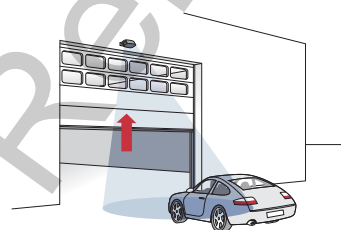
Situation
Use on roller gate or high-speed door in logistics areas

Solution
- Early-stage opening simply by selecting one of five possible field sizes (see back page) and rapid detection of people/ vehicles

Advantages
- Optimum goods flow thanks to early-stage detection and immediate opening
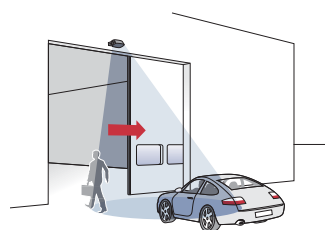- Even low and wide industrial doors profit from the flexible settings for ideal activation
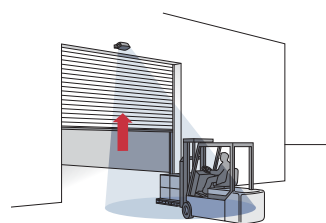
Situation
Activation of sliding gates for people and vehicles

Solution
- Detection of people/vehicles with separate outputs for intelligent activation

Advantages
- With people detection the industrial door will only open part way.

Situation
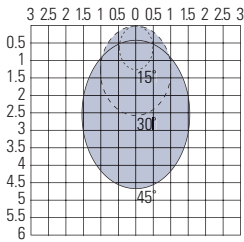Delivery at folding door with truck

Solution
- Also ideal for use on wide and tall industrial doors
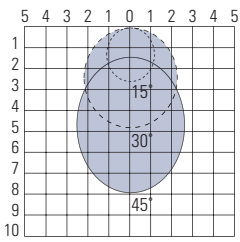
Advantages
- Reliable detection due to flexible adjustments to the microwave field
- No need for the driver to get out
- Optimum traffic flow thanks to early-stage detection and immediate opening
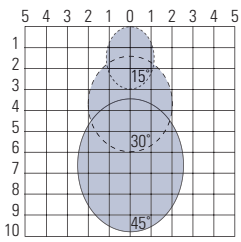
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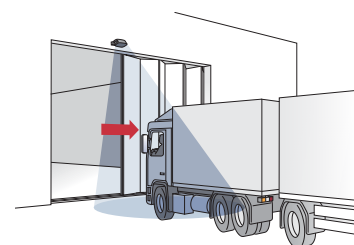
Maximum field dimensions

2.5 m mounting height
Setting angle 15°– 45°

4.5 m mounting height
Setting angle 15°– 45°

7 m mounting height
Setting angle 15°– 45°

Order details

Article no.	Description	
350849	Herkules 2E Microwave motion detector for industrial doors	

Accessories		
357649	Herkules 2E Holder complete	
292393	RegloBeam 2 Bidirectional remote control	

Supplementary products

ClickLine
Electrical safety edge
Rubber profiles with click-fit foot

CoverLine
Electrical safety edge
Rubber profiles for clicking in at the side

Technical data

Mechanical data

Mounting height	2.0 to 7.0 m
Connection type	cable 10 m, 6 x AWG 26 (0.14 mm²)
Housing material	black anodised aluminium, polycarbonate cover
Dimensions	134 x 82 x 75 mm
Weight	820 g incl. cable

Technology data

Technology	Doppler radar with planar module
Transmitting frequency	24.05–24.25 GHz
Transmitting power	< 20 dBm
Max. detection speed	25 km/h for vehicles

Electrical data

Operating voltage	10–28 V AC, 12–36 V DC
Operating current	Max. 75 mA
Outputs	Relay
Switching voltage	Max. 48 V AC/DC
Switching current	Max. 0.5 A AC

Ambient conditions

Protection class (EN 60529)	IP65
Temperature range	−30 °C to +60 °C
Air humidity	0% to 95% relative, without condensation

Standards

Approvals	CE 0682 ! / FCC / IC
Suitable for the following countries	EU, EFTA, US, CA

Note
Technical details and recommendations on our products are based upon experience and represent guidelines for the user. Details in brochures and specification sheets do not guarantee any special product features, apart from those which we confirm in individual cases. We reserve the right to make changes as the result of technical developments.

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telguard®

DOOR ENTRY SYSTEMS

DHF Door & Hardware Federation — Raising Standards

2 YEARS WARRANTY

Made in Britain

BESPOKE

…as many buttons as you like.

- Installer programmed
- GSM programmed by SMS (GSM only)
- Available with up to 24 call buttons
- Dial in to open & authorised incoming calls
- SMS alerts (GSM only)
- No dedicated handsets required
- Internal time clock
- 2 relays – additional relays optional
- Exit release input
- Forward call up to 8 additional numbers
- Activity log downloaded locally or remotely
- Prox cut out option
- Camera option
- Available as GSM or Landline
- 2 Year Warranty
- Safe option available with Hub

House
Office
Oakley House

telguard

Landline.   *GSM.*

The Bespoke is a telephone or GSM based intercom system to call from 1 to 24 separate numbers via individual buttons. The system is installer programmed remotely via SMS, from a standard telephone/mobile or data over IP also locally via the keypad (where fitted) or USB connection.

Each button is programmed to call a different telephone number relating to the destination (flat, office, house etc). When a visitor presses the required button the Electronic Voice Assist™ will confirm that the call is being made and a telephone call is made from the entrance panel to the destination telephone number.

The telephone rings in the premises (if a mobile phone is called the recipient could be anywhere in the world!) and if the recipient is in they can answer the call as normal and speak to the visitor. If the line is engaged or the recipient is out, the Telguard is able to search for up to 8 other phone numbers i.e. office, mobile, relation etc. The system is compatible with an answer machine. If the recipient is out and has not set up any other facility then the Electronic Voice Assist™ will say that it has not been possible to connect the call.

If the recipient chooses to allow their visitor access they simply press a digit on their telephone handset and the tone from the button will operate a relay linked to the entrance (door, gate or barrier) and the visitor has access. The optional keypad is used for coded entry for local access via a 4 – 8 digit code. The user presses the code into the panel and the entrance can be opened.

There are three connections to the basic system, a 230 Volt supply to feed the 12 Volt 1 Amp PSU (the PSU we supply with the system must be used and should not power any other equipment), then there is a choice of Land Line or GSM bridge board which is connected via an external aerial or telephone lead. The land line bridge board requires an analogue telephone connection – either PSTN (Public Switched Telephone Network) or an analogue extension from a PABX (Private Automated Branch eXchange) and a link to the equipment to be operated i.e. a gate, door lock, barrier etc.

The GSM requires a Pay-As-You-Go or Contract SIM plus an aerial which is supplied with the system. Other facilities available are a trade button linked to an internal time clock with 9 available time periods & automatic BST/GMT update.

An activity log can also be downloaded remotely via data over IP or locally by USB connection. The internal memory will hold 1000 entries and once the maximum is reached the earliest logs are overwritten.

A camera may be fitted as part of the fascia and operates independently to the Telguard. The picture from the camera may be viewed on a television inside the premises. This is achieved by connecting the camera into the communal TV aerial amplifier with a modulator. Proximity may also be fitted as part of the fascia and operates independently to the Telguard. We have standard cut outs for the most popular makes of proximity reader.

Company Sticker
Here.

Tech Spec..

- **Warranty:** 2 year gold warranty including return to manufacturer (full parts & Labour) and unlimited programming requests in writing.

- **Power:** 12 Volt 1 Amp DC PSU (as supplied and must be dedicated to the Telguard).

- **Call Buttons:** 1 – 24 Stainless steel or backlit.

- **Coded Entry:** Via optional keypad 4 – 8 digits, input for a further keypad and could be used as an exit keypad. 400 codes maximum.

- **Trade:** Optional trade button linked to internal time clock with 9 available time periods & automatic BST/GMT update.

- **Phone Line:** (for land line option): Analogue BT type line or PABX analogue extension.

- **GSM SIM:** Supplied with O2 or Vodafone via Telguard Telecom. See website.

- **Network Providers:** SIMs must be data enabled, the network 3 is not currently compatible with our equipment.

- **Telephone Type:** Standard tone generating telephone, cordless or mobile phone.

- **Tone Type:** DTMF (Dual Tone Multi Frequency).

- **Programming:** Installer programmed via SMS (GSM), dial in using a telephone or mobile via the Electronic Voice Assist™, via keypad (where fitted), remotely via modem or USB connection.

- **Relays:** Dual Opto Relay providing 2 x outputs supplied as standard, lock relay also available (please see website).

- **Cable Distance:** Up to 300 metres from Hub (where applicable)

- **Relay Activation Time:** 1 – 60 seconds, adjustable locally and remotely.

- **Volume:** 1-9 adjustable locally and remotely.

- **Operating Commands:** Default #, 2#, 3#, 4#, 5#, 6#, 7#, 8#, 9#. All relay commands are configurable.

- **Exit Release Input:** Via auxiliary input. Unable to be used with Day/Night feature.

- **Day/Night Feature:** Able to call a different number at night to the number called during the day. Switched locally or remotely. Unable to be used with Exit Release Input facility.

- **Multi Number Calling:** Up to 8 different follow on numbers are assignable to each call point.

- **Call Point Profile:** This utilizes the on board time clock enabling custom profile functions to be activated eg: calling an alternative number.

- **Concierge:** All call destinations are routed to one main number.

- **Authorised call access:** Numbers stored in this part of the memory can activate a pre-determined relay simply by calling the number of the system. If the number calling is on the authorised list the relay will activate. (Please note that the Land Line system requires CLI from the line provider for this function to operate). Up to 900 numbers.

- **SMS via Input:** An SMS message may be sent (GSM only) on receipt of an output from equipment associated with the TelGuard. This could be to indicate low parking ticket paper on a parking system, or a passive detector to report movement, loop detector or an alarm.