* ALWAYS TEST THE UNIT ON SITE BEFORE INSTALLATION TO AVOID RE-STOCKING FEE * See full T&C's on our website

Site Wiring

iGate Enclosure (Install at height to allow the

internal antenna to find signal.)

DC Power Cable

(1.0mm2 - 8m MAX)

PSU as close to the unit as possible

Turn Over



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SITE SURVEY

Please read this entire manual before installing this product. A full comprehensive manual is available on our website for additional information.



Ensure there is good 4G signal on site. 4G units will fall back to 3G service in some countries.



Set up on a bench in workshop BEFORE going to site. Program the unit in the comfort of your work bench and call technical support should you have any questions.



This product requires a regular voice & SMS SIM card. Do not use a data only SIM, as this will not work in the unit.

POWER CABLE

KEEP POWER SUPPLY AS CLOSE AS POSSIBLE.

TIP: Most technical calls received are due to installers using CAT5 or alarm cable to power the unit.

NEITHER are rated to carry enough power! (1.2amp peak)

Please use the following cable:

Up to 2 metres (6 feet) – Use minimum 0.5mm² (18 gauge) Up to 4 metres (12 feet) - Use minimum 0.75mm² (16 gauge) Up to 8 metres (24 feet) – Use minimum 1.0mm² (14 gauge)

Power Standby = 80mA Peak = 1.2A

INGRESS PROTECTION



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•••

We recommend sealing all entry holes for prevention of insects that can cause issues with a risk of shorting out components.

To maintain the IP55 rating please follow the sealing instructions included. (also available online)



NEED MORE ASSISTANCE?

+44 (0)288 639 0693

SCAN THIS QR CODE TO BE BROUGHT TO OUR RESOURCES PAGE.

VIDEOS | HOW-TO GUIDES | MANUALS | QUICK START GUIDES

SIM Preparation Ensure you read all instructions before continuina.

The SIM cards provided need activated before use. Follow the instructions provided or visit our telecoms website for more details:

www.aesglobaltelecom.com

4G



.......

Wiring Connections

1 - GATE PRIME

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Relav 2

......

...

...

....

Tip: All main connections are pre-wired. Below are

optional wiring additions for 3rd party controllers.

PCB Status LEDs

D RED + BLUE FLASHING + GREEN FLASHING = SUCCESSFULLY CONNECTED

Q

SOLID RED = PCB POWERED ON

LID RED +BLUE FLASHING = SEARCHING

Relay 1



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ALWAYS ensure the system is switched **OFF** when adding or removing your SIM card and ensure the orientation is correct.





Quick Flashing = Standby | Constant ON/OFF = Searching

CHANGE APN (for Volte / 4G services)

The system will be pre-programmed with the APN for the **Vodafone** network. If you wish to use a different network then the correct APN must be set for full operation.

Check with your network provider for the correct APN for 4G data. Once you have confirmed the APN enter it in place of 'APNinfo' in an SMS to the intercom.



Ensure the PCB is powered on and connected to the network with a GREEN flashing LED.

Then send the below text as an SMS to the intercom Sim number. A power reboot is required after the 'OK' reply message is received back.

APN info

for SIM

network

製新

XTRA RESOURCE

Search for

'APN Flyer - PRIME'

RESERVED FOR NEW APN PROCESS IN DEVELOPMENT





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Add Caller ID Numbers



RESERVED FOR NEW APP IN DEVELOPMENT. RELEASE DUE LATE 2021

3



Using End User App to Manage Gates

9999#50time#

9999#95X#

<mark>9999#999</mark>#

Download the user app.

'Cellcom Prime'

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SWITCH MAINTENANCE

Bug ingress is a common issue in unit failures. Ensure that all components are sealed accordingly and check occasionally. (Do not open the panel in the rain / snow unless correctly equipped to keep the internals dry. Ensure the unit is securely closed after maintenance)

SIM MAINTENANCE

If using a pre-pay casual SIM card it will need topped up occasionally. It is recommended to advise the home owner / end user to register the SIM card on the provider's web site if available. Most major networks allow registration of card payment details for an auto top up feature, which means they will automatically top up your intercom when the balance runs low or in some cases, they offer a low balance reminder to be sent if they do not wish the auto top up feature.

ENVIRONMENTAL INFORMATION

The equipment that you bought has required the extraction and use of natural resources for its production. It may contain hazardous substances for the environment. In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment.

The crossed-bin symbol marked in your device invites you to use those systems



If you need more information on the collection, reuse and recycling systems, please contact your local or regional waste administration. You can also contact AES Global Ltd for more information on the environmental performances of our products.

WARRANTY

Please note, by installing this product, you are accepting the following warranty terms:

1. The manufacturer's warranty is a "return to base" 2 year warranty from date of manufacture. This means that any suspected defective components or items are returned to the manufacturer's agent for investigation and diagnosis and returned at the cost of the customer

2. The warranty does not cover, nor is the manufacturer or agent responsible for any of the following whatsoever: Storm damage, lightning or surge damage, flooding, accidental damage, vandalism or deliberate damage, un-explained corrosion or unusually harsh environments, failure of telephone networks, future un-interoperability between the product and network providers which cause malfunction due to changes implemented by the phone providers after manufacture of the product, or that which is outside of control of the manufacturer (e.g. 2G, 3G switch off, removal or inability to obtain VOLTE service), and damage due to inaccurate installation

3. The manufacturer in no way accepts liability for any of the following incurred due to a product defect: Cost of attending site. inconveniences, labor rates, time lost, loss to or damage to property, security breaches, late payment clauses or breaches of any contracts between the installer and the client.

4. This is a professional install product only. The product is a component of an overall system. Therefore, it is the responsibility of the installer to certify the safety and compliance of the overall finished system. As soon as this product is fixed to another item, or connected to another third-party device, then the product has been modified, and compliance with local regulations in the country of install is strictly the responsibility of the installer.

5. Re-stocking fees may apply to items returned that are found to be non-defective. Complete units will also attract a re-stocking fee if returned for credit, regardless if a defect is discovered or not. Re-stocking fees may vary depending on the condition of the item being returned, and whether it can be determined as in brand new condition. The warranty terms do not entitle customers to an automatic full refund. For more details on returns procedures and re-stocking fees, contact the agent.

6. Items with physical signs of surge damage are not covered by warranty. Items with visible signs of surge damage will only be covered by warranty if photographic evidence is provided from site, showing surge protection has been installed.

Full warranty terms and conditions available upon request to AES Technical Department



1 . He

14 digits maximum

Change Relay Time

me = 1-9999 second

The unit will not power up.

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Solution

TROUBLESHOOTING Problem/error

Symptoms caused

No LEDs on.



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Reset / Default Unit



1) Power off the unit. (approx 60 secs)

2) Make a link across the terminals marked OPEN.

FC
d: 2ALPX-PRIME6-XXXX-ZZ-4GA-YYY = style & color, YYY is brand label, ZZ is mounting)
tee: Advanced Electronic Solutions Global LLC
device complies with Part 15 of FCC rules. ration is subject to the following two conditions: (1) device may not cause harmful interference, and (2) device must accept any interference received, dise interference that may cause underived

cause undesired ow 1GHz for Part 22 and sed for 1.1310 and 2.1091

he stalled to provide a 20 cm from

ith transmitter operation osure compliance.

		1.0mm2 cable for this distance. See cable guide on page 1 of this manual. Check the fuse.	3) S	witch on power Ifter several seconds the relay will
No green CPU light	The unit powers up but is not showing network reception or will not respond to SMS.	This means the unit is not able to detect the network for some reason. -Power off the unit, remove the SIM and check it in a mobile phone to verify it can make a call and has calling credit if it is a Pay As You Go SIM. -Disable any PIN code request if active on the SIM card. -Check the SIM is a standard voice capable SIM. If you are unsure, contact your SIM card provider to verify. -Check the reception is medium or good. Poor reception is not sufficient. -Power off, remove the SIM, use fine sand paper to lightly sand the SIM pads and contacts on the GSM unit, lightly bend the contacts upwards so that they make better contact with the SIM and try again. -Change to an external antenna. External Antenna Details -Ensure the cable does not have too many sharp bends. -Check the height of the antenna and make sure it is not inside a metal enclosure. -Check correct power cable size for cable length from PSU. Refer to manual for guidelinger	Adv DC IN OPEN Terminals Click S) T Decision Decision Note: Performing this process will remove all current programming including saved users & access codes. Decision Manufacture: Advanced Electronic Solutions Global Ltd Address: Unit 4C, Kilcronagh Business Park, Cookstown, Co Tyrone, BT809HJ, UK Complies with the following essential requirements for 2014/53/EU: ETSI draft EN 301 489-52 (2016-11) (Electromagnetic compatibility) ETSI draft EN 301 489-19/2.1.1 (2017-02) (Electromagnetic compatibility) ETSI draft EN 301 489-52 (2016-11) (Electromagnetic compatibility) ETSI draft EN 301 489-52 (2016-11) (Electromagnetic compatibility) ETSI El 301 51 11/12.5.1 (2017-03) (Electromagnetic compatibility) ETSI EN 301 511 11/12.5.1 (2017-03) (Electromagnetic compatibility) ETSI EL 301 908-11/11.1 (2016-07) (IMT Cellular networks, 3.2 of directive 2014/53/EU) ETSI EN 301 908-11/11.1 (2016-07) (IMT Cellular networks, 3.2 of directive 2014/53/EU) ETSI EL 301 908-11/11.1 (2016-07) (ICMTA and UE standards) Test report number LCS181101028AEE EN 609521 (11.2 (2016-10) (IMT Cellular networks, 3.2 of directive 2014/53/EU) ETSI EN 301 908-11/11.2 (2017-07) (E-UTRA and UE standards) ESI EL 301 908-11/11.2 (2016-07) (CDMA spread / UTRA FDD) Test report number: LCS181101028AEE EN 609521 (11.2 (2016) Electromagnetic safety and human exposure) ESI EL 3001 908-11/11.2 (2016-07) (E-UTRA and UE standards)	 k. The unit will then clear memory and defaulted Remove the link and wait around 20 onds. FCC Id: 2ALPX-PRIME6-XXX-ZZ-4GA-YYY (XXX = style & color, YYY is brand label, ZZ is mour style) Grantee: Advanced Electronic Solutions Global LLC YEU This device complies with Part 15 of FCC rules. Operation is subject to the following two conditio this device must accept any interference, a this device must accept any interference received including interference that may cause undesired operation. Output power listed is ERP below 1GHz for Part 22 EIRP above 1GHz for Part 24. RF exposure compliance is addressed for 1.1310 and MPE limits. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.
The caller ID function	Incorrect programming or	If your number is a private or number withheld, then it will not	Paul Creighton, Managing Director. Date: 4th Dec 2018	End Users must be provided with transmitter ope conditions for satisfying RF exposure compliance.
does not work.	poor signal	work. -Ensure the number is programmed as you would normally dial it from another phone. - Ensure you have adequate GSM signal at the intercom by sending *20# as a text.	This product is not a complete product until fully installed. It is therefore considered a component part of an overall system. The installer is responsible to check that the end installation complies with local regulatory requirements. This equipment forms part of a "fixed installation".	
			STILL HAVING TROUBLE?	

Check power supply voltage at intercom is 23.4v DC or more. Cable

length from PSU to intercom should be less than 8 meters and in

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