Acorn Monitoring

Model: A-JR103-SC

Optional Versions: Analogue, VoIP SIP, GSM / 4G

- Push-to-Call Autodial Telephone
- Non-Corrosive Cast Aluminium Body with Steel Face Plate
- Robust and Vandal Resistant Throughout
- Weather Protection Rated IP66 (IP67 on-demand)
- Powered PoE (SIP), Analogue Line or 12v DC Mains (4G)
- Inductive Coupler Fitted as Standard for Hard of Hearing
- Simple Installation with Tamper Proof Bars & Fixings
- Non-Volatile Memory
- Programming: SMS (GSM / 4G), DTMF (analogue) Telephone Management Software (SIP)
- Status Reporting – GSM / 4G Version
- Dry Contact Relays Available On-Demand
- Choice of Customised Labelling
- RoSH, CE & FCC Compliant.

CE FC IP66

A professional IP66 weatherproof phone that provides a full duplex operation for heavy industrial or public use. Designed to meet the needs of clients who experience loss or damage through heavy use or vandalism.

Fully contained within a corrosion resistant cast aluminium weatherproof case providing complete protection against dust and moisture ingress, this is a highly reliable product with a long MTBF (50,000 hours). The unique robust handset is manufactured from bulk molding compound and designed specifically to withstand arduous use in all environments, armoured cord with up to 200kg tensile force to provide additional resistance to vandalism or heavy industrial use. Very easy to install. The cable entrance through the M20*2mm metal gland is at the bottom of the phone, this to prevent from artificial damage.

Versions:

Analogue powered by standard analogue line, connects Telephone pair – DTMF Config.

VoIP SIP powered by PoE – RJ45 connection to IP PBX and configured by web interface,

GSM 4G Network supports micro size SIM card, powered by 12V DC mains adaptor configured remotely by SMS messaging

Casing Material	Die-cast aluminium body & CRS front plate with industrial epoxy powder coated finish
Colour	Yellow, red, other RAL colours on demand
Handset Material	Impact resistant ABS / stainless-steel spiral cord
Keypad	No keypad / metal call button(s)
Ringing Tone	80~90 dBA @1m **-** See version details
Hook Switch	Electric / magnetic no visible moving parts
IP Resistance	IP66 standard
Temperature	Operating: -30°C to +65°C Storing: -40°C to +75°C
M.T.B.F	In excess of 50,000 hours in use

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Model: **A-JR103-SC**

STANDARD ANALOGUE SPECIFICATION

As a standard analogue telephone with push-to-call autodialling (outbound) and lift to receive (inbound) call. Can be connected to any standard two-wire telephone line, including analogue PABX lines and PSTN.
Dialling MF (tone)
Ringing Tone Shrill warble tone 80 dBA @ 1 metre typical

Lightning / Transients Protection to ITU-T k.21 enhanced levels

Programming Can be programmed remotely by DTMF tone or by using an internally located keypad

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GSM / 4G TECHNICAL SPECIFICATIONS

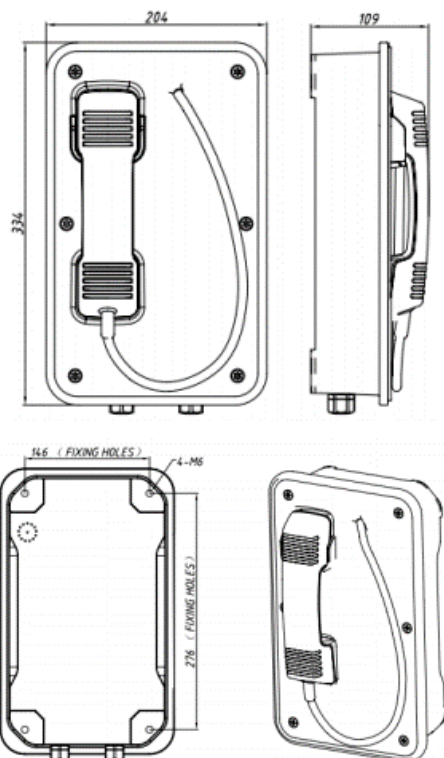|	
SIM	Micro Size SIM card
Configuration	SMS text messaging
Reporting	SMS text messaging
Working Frequency Range:	
4G	LTE FDD: B1/B3/B5/B7/B8/B20
	LTE TDD: B38/B40/B41
	WCDMA: B1/B5/B8
GSM:	B3/B8
Adapter Input	7.4 V-12V DC
Power Consumption	Idle current: 75mA
Off hook current	160mA
Ringing Tone	Shrill warble tone 90 dBA @ 1 metre typical

VoIP SIP Version

Power Supply	PoE or 12V DC PSU
Adapter Input	100-240VAC 50～60Hz
	Output:5V/1A
Port	WAN: 10/100Base- T RJ-45 for LAN, Auto MDIX
	LAN: 10/100Base- T RJ-45 for PC, Auto MDIX
Power Consumption	Idle:1.5W/ Active:1.8W
Communication Type	Full Duplex

Voice Features

- Support SIP 2.0 (RFC3261)
- Codec: G.711A/u, G.7231 high/low, G.729, G.722 G.726
- Echo cancellation: Support G.168 and hand-free can support 96ms
- Supports full duplex
- SIP support 2 servers, user can through each server to calling in and out
- SIP support SIP domain, SIP authentication (none, basic, MD5), DNS name of server, peer to peer
- SIP support 2 servers, user can through each server to calling in and out

Network Features

- WAN/LAN: support Bridge mode
- Support PPPoE for xDSL
- Support VLAN
- Support Stun penetration
- Support DHCP get IP on WAN port

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Ambient Conditions

Protection Type	IP66, Conforms to EN60529
Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +75°C
Unit size	204*334 *109mm
Packaging Size	300*440*200mm
Packaging	Pearl Cotton, Carton
Gross weight	6 KG
M.T.B.F.	Calculated M.T.B.F. in excess of 50,000 hours

CE FC

CE - This mark indicates compliance with the: Radio and Telecommunications Terminal Equipment Directive 2004/108/EC
FC - This mark indicates compliance with the: FCC Part 15 Subpart B Class B

24 Month Warranty
24-month manufacturer defect warranty.

J&R TECHNOLOGY