Acorn Monitoring ((·))

Model: A-JR102-4B

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

- Push-to-call autodial telephone with 4 metal call buttons
- Non-corrosive cast aluminium body with steel face plate
- Robust and vandal resistant throughout
- Water / dust ingress protection rated IP66-IP67
- Powered PoE (SIP), Analogue Line or 12v DC Mains (4G)
- Inductive coupler fitted for hard of hearing (on demand)
- Simple installation with tamper proof fixings
- Non-volatile memory programmable for speed dialling
- Programming: SMS (GSM / 4G), DTMF (analogue) Telephone Management Software (SIP)
- Remote status reporting – GSM / 4G version
- Dry contact relays available on-demand
- Choice of customised labelling, on request
- RoSH, CE & FCC compliant.

A professional IP66-IP67 weatherproof handsfree telephone with four autodial calling buttons, 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 and vandalism.

Fully contained within a corrosion resistant cast aluminium weatherproof case with a magnetised door, the phone is fully protected, even when the door is open. Complete protection against dust and moisture ingress, this is a highly reliable telephone with a long MTBF. The unique robust telephone is designed specifically for industrial, public and emergencies purposes, to withstand arduous use in all environments. Very easy to install. The cable entrance through an M20*2 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. Configuration by DTMF

VoIP SIP powered by PoE – RJ45 connection (or 12V supply). Configuration 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
Keypad	2 stainless steel call buttons
Ringing Tone	80~90dBA @1m **-** See version details
Push Button	Vandal resistant stainless steel
IP Resistance	IP66-IP67
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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STANDARD ANALOGUE SPECIFICATION

As a standard analogue telephone that provides a push-to-call autodialling and push to receive call function. 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
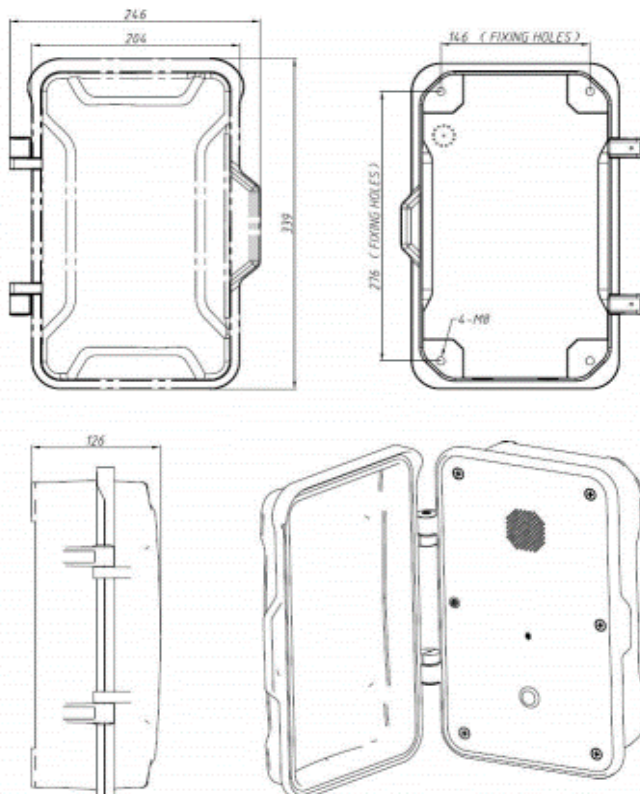
VoIP SIP Version

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-IP67, Conforms to EN60529
Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +75°C
Unit size	204*334 *126mm
Packaging Size	300*440*200mm
Packaging	Pearl Cotton, Carton
Gross weight	7 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