UK SALES AND SUPPORT: ACORN MONITORING LTD
TEL: +44 (0)1635 285376
EMAIL: sales@acornmonitoring.co.uk
Web: www.jrtel.co.uk

Acorn Monitoring

Model: AJR101-FKL

Optional Versions: Analogue, VoIP SIP, 3G GSM, 4G LTE (NEW)

- Large Rubber Call Buttons Suitable for Use with Gloves
- Full Keypad inclusive of R, M, LR and 9 Button Speed Dialling
- Non-Corrosive Cast Aluminium Body with Steel Face Plate
- Robust and Vandal Resistant Throughout
- Weather Protection Rated IP67
- Powered PoE, Analogue Line or 12v DC Mains (version dependant)
- 12V LED Flashing Beacon, Colour; Red, Blue, Amber, Green
- Inductive Coupler Fitted as Standard for Hard of Hearing
- Simple Installation with Tamper Proof Bars & Fixings
- Non-Volatile Memory
- Programming: SMS (3G/4G), DTMF (analogue) Web Interface (SIP)
- Remote Status Reporting - 3G / 4G GSM Version
- Internal Relays Available On-Demand
- Choice of Customised Labelling
- RoSH, CE & FCC Compliant.

A professional IP67 industrial weatherproof telephone that provides a full duplex operation for heavy industrial or public emergency 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 with a door 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 molded bulk compound and designed specifically to withstand arduous use in all environments, armoured cord to provide additional resistance to vandalism or heavy industrial use. Very easy to install. The cable entrance through a metal gland is at the bottom of the phone, this to prevent from artificial damage.

Versions:

Analogue powered by standard analogue line, connects 2 wire – DTMF Config.

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

3G or 4G Network supports Standard 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	Rubber
Ringing Tone	Shrill warble tone 80 dBA @1 metre typical
Hook Switch	Electric / magnetic no visible moving parts
IP Resistance	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, this unit provides basic telephone functions and 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
LED Beacon Powered by 12V DC PSU
Lightning / Transients Protection to ITU-T k.21 enhanced levels

Programming Can be programmed remotely by DTMF tone or by using the keypad

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GSM / 3G TECHNICAL SPECIFICATIONS

SIM	Standard Size SIM card
Working Frequency Range	
GSM	GSM850/900/1800/1900MHZ
3G	WCDMA850/1900/2100MHz
	GSM850/900/1800/1900MHz
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
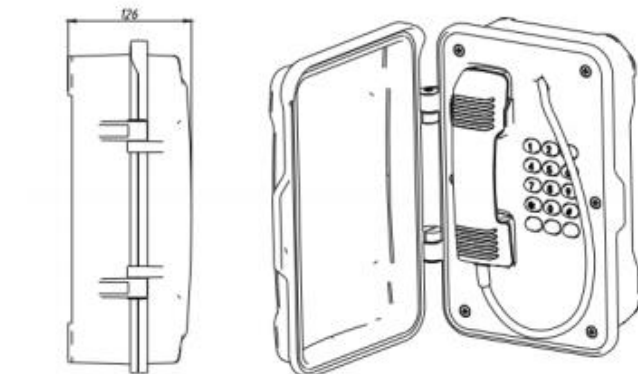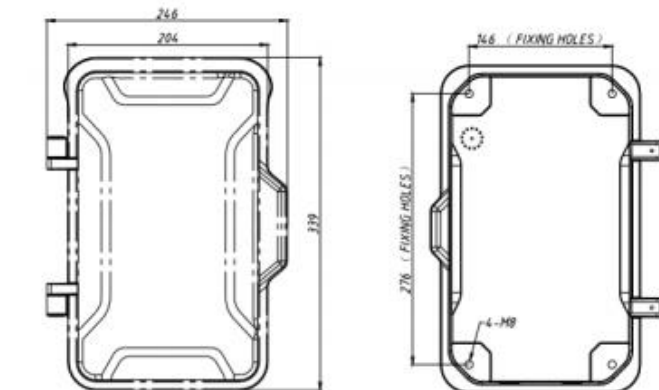
VoIP SIP Version

Power Supply	PoE or 12V - 24V DC
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

Ambient Conditions

Protection Type	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