

Burnside Fixed Cellular Phones

P415 GSM Tough Phone

Burnside performance and flexibility in extreme environments

The Burnside P415 GSM phone is a rugged, weather-resistant unit, built to withstand abuse and environmental extremes. It can be used anywhere within worldwide GSM network coverage without the delay and expense of installation and operation of landline telephones. The Burnside P415 can be mounted on a wall, bulkhead, post or desk and can operate from mains AC power, internal battery or solar panel. A mains-powered telephone will run on standby for at least one week in the event of mains power failure. The battery-powered version can run in standby mode for at least three months.

The case of the Burnside P415 is moulded in glass-filled polyester to prevent rust and corrosion, and is weatherproof to the IP65 standard. The unit uses a standard cellular phone SIM and a multiband omnidirectional antenna. Optional external antennas are also available. The Cyclooy handset is secured to the case by a high breaking strain stainless steel cord and is provided with inductive coupling for hearing aid users. When located in a moving vehicle or at sea, the handset will remain on hook at angles of up to 90 degrees from the vertical. If the handset is left off-hook the telephone will automatically reset itself to enable incoming calls.

P415 Main Features

- Quad-band GSM for worldwide phone connections
- Easy and quick to install, offering lower call costs than landlines
- Robust and weatherproof to IP65 standards
- Vandal-resistant handset and stainless steel cord
- Various programmable auto-dialling configurations available
- Inductive coupler for hearing aid users
- Powered by AC mains, rechargeable battery (solar cell power optional)
- Permanent and shareable resource that anyone can use
- Can be mounted on wall, post or counter for safety and security
- GSM-Railway network support version available
- Designed, manufactured and supported in the UK

Burnside Telecom is a designer and manufacturer of innovative fixed cellular terminals, desktop and wall mounted mobile phones and modems for voice, SMS text, Internet and e-mail access applications. Our products are currently used in 19 countries across the globe by customers including multinational companies, mobile network operators, government departments, local authorities and security services.



Typical P415 Applications

Railway communication systems
Car rental and taxi hire
Airports and airfields
Motorways and service areas
Factory environments
Safety and security services
Shipping and passenger craft

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P415 Fixed Cellular Tough Phone - Technical Data

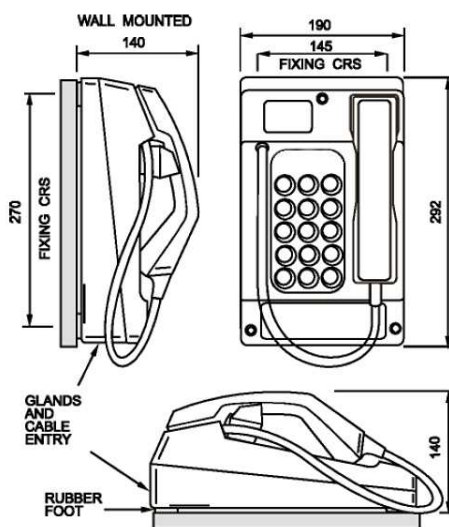
P415 Series Specifications

Feature	Description
GSM Bands	Quad-band GSM/GPRS
Antenna	Quad-band SMA male, internally mounted
Ringer	Shrill warble tone 80dBA at 1m
Dial Tone	Factory programmable to local telco standard
Keypad	15 auto dialling keys (0, 3, 6 key options coming soon) Weather sealed tactile keypad. Silicone rubber resistant to most chemicals and solvents.
Hook Switch	Electronic/magnetic with no external moving parts
Handset	Cycloloy (2850) with stainless steel spiral cord Inductive coupling to hearing aids with T-switch
Casing	Corrosion proof glass filled polyester Colour: Yellow (other colours by special order)
AC Adapter	90-264VAC to 6.5VDC UK and European versions available
Battery Backup	12 or 24VDC sealed lead acid external battery or 25Ahr LiPo internal battery option Up to 100 hours standby and up to 3 hours talk time
Dimensions/Weight	See dimensional diagram below, 3Kg unboxed
Environment	Storage: -40C to +85C Operation (AC powered): -20C to +60C Operation (battery powered): 0C to +40C Auto switch-off: <-40C or >+70C 25% to 85% relative humidity Weather resistant to IP65
Kit Contents	P415 phone, AC adapter
Approvals	R&TTE, FCC, UL, IC, GCF, PTCRB, CE, local approvals Tested to ETS 300-381 and in accord with ITU-T P37 RoHS compliant, WEEE Registered AC0075UR/PRO

Accessory Options

Part No.	Description
268005	Quad-band Marine Antenna VSWR: <1.5:1 Height: 0.15m RG58 FME-F
268002	890-960Mhz YAGI Antenna 10m RG58 FME-F
268003	1710-1880 Mhz YAGI Antenna 10m RG58 FME-F
225008	FME-M to SMA-M Adapter
778011	DC-DC Converter 9-30VDC In; 6.6VDC 500mA
228006	Internal Li-Po Battery 25Ahr
778015	Photovoltaic Solar Panel
222010	Acoustic Hood -23dB Glass reinforced plastic laminate to BS476
222011	Side Post Mounting Kit Fits on round, square or rectangular poles 100-150mm; 0.5kg
222012	Top Post Mounting Kit Fits on top of 50mm posts 3.5kg; galvanised
222013	Mounting Post 1.14m high, cabling routed internally, zinc plated powder coated or galvanised

P415 Dimensional Diagram



Supplied by:



E&OE. Specifications and options subject to change without notice.

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