

# Burnside P400 GSM Tough Phone

- **Worldwide quad band GSM networks**
- **Works immediately without the cost & delay of landline installation and rental**
- **Uses standard mobile phone SIM**
- **AC mains, battery or solar cell powered**
- **Wall, post or desk mountable**
- **Robust and weather proof to IP65**
- **Ideal for use in open air or marine locations**
- **Vandal proof handset & stainless steel cord**
- **Inductive coupler for hearing aid users**
- **15, 6, 3 and no button programmable auto-dialler versions**
- **GSM-R(ailway) versions**



## Description

The Burnside P400 series of telephones are tough, weather resistant units built to withstand abuse and environmental extremes.

These phones can be used anywhere within the worldwide GSM network coverage without the delay and expense of installation and operation of landline telephones. The P400 can be wall, bulkhead, post or desk mounted and will operate from AC power, internal battery or solar panel. An AC powered telephone will run on standby for at least one week in the event of mains power failure. The battery powered version will run in standby mode for at least three months.

The telephone case is moulded in glass filled polyester to prevent rust and corrosion. It is weather proof to the IP65 standard. The case contains a standard cellular phone SIM and a multiband omni directional antenna. External antennae are available as accessories.

The Cylcoloy 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.

## Available Versions

0, 3, 6 or 15 key keyboards can be provided with programmable autodialing capability.

A GSM-R[ailway] version is available as a replacement for existing incompatible in-track cable and analogue railway radio networks. Under a European directive all railway routes in Europe being built, upgraded or renewed are to specify GSM-R voice and data radio.

## Applications

### Transport:

Roads, motorways, tunnels, bridges, canals and railways.

### Places:

Stations, airports, cab ranks, parks, mountains, ski slopes, supermarkets, pubs, restaurants, canteens, night-clubs, car parks, sports & leisure areas, waterside, construction sites, exhibitions, hospitals, schools, prisons, factories, warehouses, portacabins & sewage works.

### Vehicles:

Boats, trains, buses, agricultural, construction, military, police, outside broadcast.

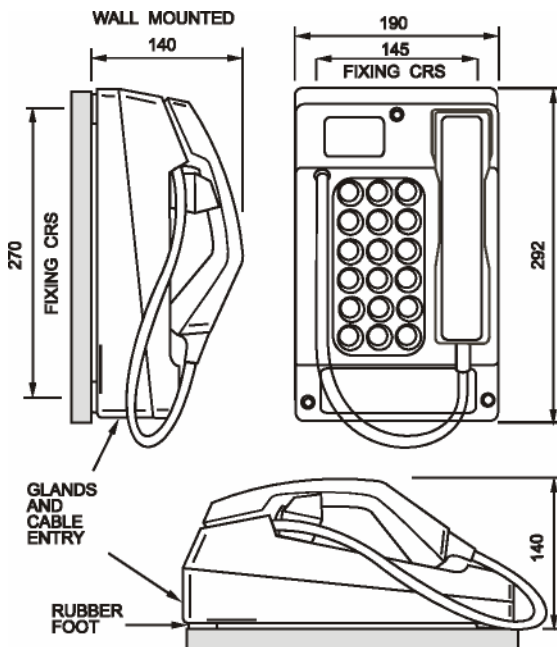
## About Us

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.

Its products are now in use in 19 countries throughout the world. Customers include mobile network operators, government departments, local authorities, police and multinational companies.

## P400 Series Specification

Parameter	Specification
GSM Bands	Quad 850/900/1800/1900 MHz
Keypad	0, 3, 6 and 15 auto dialling key versions. Weather sealed tactile keypad. Silicone rubber—resistant to most chemicals and solvents.
Hook switch	Electronic/Magnetic with no external moving parts
Handset	Inductive coupling to hearing aids with T switch
Dial Tone	Factory programmable to local telco standard.
Ringer	Shrill warble tone 80dBa @ 1m
Antenna	Quad band SMA Male internally mounted. See Accessories for external alternatives.
AC Power Backup Battery Battery Power Solar Power	AC Adapter 90-264VAC to 6.5VDC 500mA Current Limited Typical 168/3 standby/talk time hours 12 or 24VDC Input or 25Ahr LiPo internal battery option Input option using DC-DC Converter
Casing Material	Corrosion proof glass filled polyester - transparent to GSM signals Colours: Yellow or other colours by special order
Handset Material	Cycoloy (2850) with stainless steel spiral cord
Size/Weight boxed	See below, 3Kg
Environment	Use: -20C to 60C Battery powered: 0C to 40C In storage: -40C to +85C Auto switch off: <-40C and >+70C 25% to 85% Relative Humidity Weather Resistant to IP65
Approvals	R&TTE, FCC, UL, IC, GCF, PTCRB, CE Tested to ETS 300-381 and in accord with ITU-T P37 Local approvals and network operator certifications RoHS compliant WEEE Registered AC0075UR/PRO



## P400 Series Region Pack Order Code

Model	Keys	Region			
		UK	EU	US	AU
P400	0	722056	722060		
P403	3	722057	722061		
P406	6	722058	722062		
P415	15	722059	722063		

## P400 Series Accessories

268005	Quadband Marine Antenna. VSWR: <1.5:1 Height: 0.15m RG58 FME-F	
268002	890-960Mhz YAGI 10m RG58 FME-F	
268003	1710-1880 Mhz YAGI 10m RG58 FME-F	
225008	FME-M to SMA-M Adapter	
778011	DC-DC Converter 9-30VDC IN; 6.6VDC 500mA limited	
228006	Internal Li-Po Battery 25Ahr	
778015	Photovoltaic Solar Panel	
222010	Acoustic Hood -23dB Glass reinforced plastic laminate; BS476	
222011	Side Post Mounting Kit Fits on round, square or rect'r poles 100-150mm; 0.5kg	
222012	Top Post Mounting Kit Fits on top of 50mm posts; 3.5kg; gal- vanised	
222013	Mounting Post 1.14m high; cabling routed internally; zinc plated powder coated; grey, yel- low or galvanised	

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