

## ACTion R/C Electronics

[www.action-electronics.co.uk](http://www.action-electronics.co.uk)

December 2012 Price List (supercedes all other lists)

**ACTion RC Electronics will be under new management as from December 2012. Dave and Liz are selling the business to their friends Iain and Natasha Lewis of Component Shop.**

**All current ACTion units will continue to be available by mail order and the repair service will also continue as before.** Dave will remain a part of the new set-up for the time being as a technical resource for limited hours during the week. The website will continue for the foreseeable future as a reference for the products and also for all of the wiring diagrams.

**Component Shop's present number is 0843 2898528 (from a mobile dial 0782 5511877) and Fax 0870 7052556. The new address for ACTion will be 1 Llwyn Bleddyn, Llanllechid, Bangor LL57 3EF. Please note that the 0115 telephone number will revert to being a private line for Dave and Liz after 30 November. We would be grateful if you would respect our privacy and not continue to use it for calls about model boats or electronics after that date.**

**Dave and Liz would like to thank all of their customers past and present for their loyalty to the brand started by Craig Talbot nearly 20 years ago - we've come a long way together and it's been a fantastic journey!**

**The prices shown include 20% UK VAT. Shipping charges are extra and depend on the size of the order – see below. Customers outside the EU can purchase items VAT-free. Contact us for a quotation.**

### **ELECTRONIC SPEED CONTROLLERS (ESC)**

	<u>Code</u>	<u>Built price</u>
PICO 1 – Tiny 1 Amp computer (34 x 24.5 x 16) - Linear start	P68A	£21.00
FAN CONTROLLER – Incl ESC, 40mm fan, splitter board and Futaba-type connector	P68S	£30.00
CONDOR 2- 2 Amp Autosest computer	P78	£24.50
CONDOR 5 – 5 Amp Autosest computer	P81	£29.00
CONDOR 10/2- 10 Amp Autosest computer	P79	£31.00
CONDOR 20/2- 20 Amp Autosest computer	P80	£34.50
CONDOR 10/2 & 20/2 with fully-protected SMARTFETS for 7-12 pole motors (P79S/P80S)	P79S/80S	£35.00/£43.00
High Power Multi Controller – User-selectable 10A ESC, Motor Switcher or Twinswitch	P93	£38.00
Limit switch module for P93 (PCB plug, 2 x microswitches, leads)	P93M	£5.00
P98 High Power Speed Controller 12v to 30v; 30A.	P98	£57.00
P98 Water-cooling kit	P98W	£5.00
P94 Dual ESC+Mixer – One unit runs 2 x 20A main motors or thrusters. 6v-24v.	P94	£79.00
P94 Lite - 2 x 10A version with flush case-lid (no heatsinks)	P94 Lite	£76.00

### **MIXERS**

MOTOR MIXER Autosest **NEW! Updated software offers 4 different selectable mixes!**

**Suits brushed and brushless speed controllers.** No increase in price.

MICRO - for use with MICRO 1 & PICO 1 ESCs

### **SWITCHERS**

SINGLE RELAY Simple non-latching relay switcher; max load 1A (3A version £20.00)

UNIVERSAL TWIN Latch/Non-Latch; 3A relays

QUADSWITCH 4 x Latching plus steering. 1A relays (3A version £35.00)

PICO TWIN SWITCH 300mA latch/non latch for 'micro' models

HI-LOAD TWIN SWITCH – Versatile 10A twin output for fire pump motors etc

### **ENGINE SOUND SIMULATORS**

Noisy Thing – Digital Sound Playback Module – Engine + up to 8 general sounds

Optional CD-ROM and USB cable, for programming P100 with your own sounds

Sound Selector Switch – Operates the general sounds of P100 from spare channel

STEAM ENGINE Sound. Single/multi cyl. (Requires ACTION ESC) 6v or 12v

Micro DIESEL ENGINE 4/6/8/12 cylinder– runs on 4.8v - 6v Rx supply

Micro DIESEL ENGINE Single cylinder version eg Lister Canal Boat

Micro STEAM ENGINE Runs on 4.8v - 6v RX supply

Micro PUFFER Single cylinder version - runs on 4.8v - 6v Rx supply

### **OTHER SOUNDS**

HOOTER/FOGHORN Sound – Adjustable tone and volume

DESTROYER Sound – Adjustable "Whoop Whoop" tone and volume

SIREN - Police/Emergency Sounds – Adjustable tone and volume

STEAM WHISTLE/HORN Sound – Adjustable tone and volume

1W AUDIO MIXER/AMPLIFIER – Mix 4 sounds into 1 speaker

6W AUDIO MIXER/AMPLIFIER – As P34 but more powerful!

15W AUDIO MIXER/AMP – As P97 but even *more* powerful! Ideal for use with P100

ASDIC - Adjustable "Ping" Sound Sim

TWINHORN - Twintone – Adjustable tone and volume

SHIP'S BELL – Double ring – Adjustable tone and volume

### **SPECIAL FUNCTIONS**

MORSE/ALDIS- Automatically generate real signals! Sounder included

PICO FLASHER micro-miniature fixed-rate bulb flasher 6v – 12v

MULTI-FLASHER- Alternate single/double flash plus rate adjustment

TWIN FLICKER - Two independent flicker outputs. Oil lamp, arc welding etc

BEC- 5v x 1 Amp, with Rx input plug (6v version also available)

5v x 100mA In-line regulator – allows use of 5-cell Rx pack (or 6v SLA) with ACTION units.

SERVO SWINGER - Operates servos etc without a Tx or Rx

Power Distribution Board with 5v BEC (See over for spare fuses) (6v version also available)

3-MOTOR Power Distribution Board with 5v or 6v BEC

Parallel Power Board; 2x20A Schottky Diode for safe twin-battery operation 6v – 15v

P40D	£28.00
P82	£20.00
P43	£19.50
P44	£24.50
P62	£33.00
P69	£19.00
P91	£30.00
P100	£87.50 (Built only)
P100CD	£5.00
P104	£16.00
P56	£28.00
P63	£23.50
P63S	£23.50
P64	£23.50
P64A	£23.50
P13	£18.50
P14	£20.50
P21	£20.50
P29	£20.50
P34	£16.00
P97	£25.00
P101	£30.00
P55	£21.50
P57	£19.50
P37	£20.50
P49	£24.50
P88	£6.50 (Built only)
P73	£19.00
P90	£20.00
P19	£9.00
P99	£6.50
P22	£12.00
P92	£24.00
P102	£25.00
P103	£14.50

ServoMorph (Three or more units ordered together - £13.50 each)	P96	£14.00
P96Y – Connector set for use with multiple P96 units	P96Y	£5.00
P105 Single Stick Steam Engine/Waterjet Reverser – Fwd/rev throttle on one transmitter stick	P105	£15.50
SIGNAL METER 27/35/40MHz cased.	P38	£13.00 (Kit only)
R/C MASTER- Servo & R/C Tester.	P59	£30.00 (Kit only)
Single Indicator Fuse Board, with two fuses of your choice	P95/1	£5.00
Twin Indicator Fuse Board, incl four fuses	P95/2	£10.00
Triple Indicator Fuse Board, incl six fuses	P95/3	£15.00
RFI Suppression Kit – Regular (up to 600 size motors) and <b>NEW</b> Large Capacitors (700+)	RFI	£1.00 (Either type)
RF Suppression leads –15A leads with 3/16" terminal connectors and RF capacitor fitted	RF Leads	£1.00
Action ready-built units (where appropriate) are fitted with a Futaba-style servo plug shell. The alternative Hitec/JR-style plug shell is also included with the unit, with full instructions on how to change one type for the other.		

**Most units can also be supplied in DIY Kit form; please contact us for prices (unless shown)**

Full assembly/wiring drawings and instructions supplied. Repair and 'Get You Going' service available.

### Other Items

	<u>Price</u>
<b>Motors</b>	
MFA/Como 540/1 motor – Low current drain for small and medium sized models on 7.2v* CONDOR P79/80 suits	£7.20
MFA/Como Torpedo 500 geared motors - either 6:1 (12v) or 2.5:1 (6v). Mounts are already fitted.*	£20.00
Mabuchi 555 – Very low-drain motor for small/medium workboats on 12v – excellent low speed & torque*	£9.00
545 Motor – High Speed/Current – For use with CONDOR P80	£5.50
385 Motor (M4) - Low current 6/12v for use with CONDOR P81 or P79 ESC	£5.00
260 Motor – Very low current and good slow speed performance on 4.5v; for use with Pico P68A ESC	£2.00
280 Motor (M3) - Low current/high speed 4.8/6v for use with CONDOR P78 ESC	£2.00
280 Motor - with worm & pinion gearbox (M3G)	£5.50
Cassette Motor (M5) Very low current for use with P68 or P52 ESC	£3.00
Micro Cassette Motor' (M7) Very low current 3.6/5v for use with P68 or P52 ESC	£4.50
GEARBOX Kit with Micro Cassette motor (M7G) Very low current; includes the radar drive components 1.5v/6v/12v	£7.50
Metal motor mounts with motor screws: MMB755/900 (£5.00), 540/545 and 360/385 sizes (£2.00)	£5/£2
UNIVERSAL Self Adhesive Motor Mount ; for smaller motors	£0.65
(* = Extra postage costs for these heavy items)	
<b>Speakers - all 8 Ohm</b>	
40mm x 5mm MYLAR square waterproof 'micro' 0.4 Watt	£4.00
2" MYLAR 0.5 WATT - waterproof round	£3.50
SUPER 2" MYLAR 1 WATT round waterproof 48 gm - sounds like a 3" speaker	£6.00
66mm (2.5" ) round MYLAR 2 WATT - waterproof	£3.50
77mm (3") round MYLAR 2 WATT - waterproof	£5.00
90mm (3 ½") square MYLAR CONE 12 WATT - waterproof	£5.50
100 mm(4") square MYLAR CONE 10 WATT- waterproof	£6.00
165mm (6.5") round POLYPROPYLENE CONE – a massive 40W 'woofer' for big models	£16.50
<b>Leads etc.</b>	
HITEC and FUTABA SERVO Leads (male) also Futaba SERVO Sockets (female)	each £0.75
FUTABA 'Y' Leads - Splitter 'mini' 70mm/ Standard length Y-lead 300mm	each £2.50/£3.00
FUTABA Extension Leads length 200mm/300mm/400mm	each £1/£1.25/£1.50
FUTABA Plug Shells/Pins or Socket Shell/Pins-To make your own leads. Packs of 5	£2.00
TAMIYA PLUG /SOCKET SHELL& PINS - to make your own POWER leads.	M/F Pair £1.50
BEC TYPE (red) JST Plug & Socket Leads	M/F Pair £1.00
Micro HORN 4.8v to 6v miniature horn sounder & Micro WHISTLE 4.8v to 6v microminiature Whistle sounder	each £1.50
22mm Self-adhesive Velcro "Dots" for fixing built units to inside of model etc - Pkt of 8 each Hooks & Loops	£1.00
GOW BULBS (Grains of Wheat) Clear 6 VOLT and 12 VOLT	Pack of 5 £2.00
GOW BULBS (12v only) Red, Green, Blue & Yellow	4 x 1 colour or mixed pack (1 of each) £2.00
Red and Green 5v x 3mm LEDs for NAV. LIGHTS	Pack of 2 £1.00
<b>Smoke Generators (Seuthe Products)</b>	
6v Smoke generator (S1) or 12v Smoke Generator (S2)	£17.50
12v SUPER Smoke Generator (S3)	£25.50
SMOKE FLUID Distillate 50ml bottle with feeder	£6.00
SMOKE FLUID Distillate Economy 250ml bottle	£14.50
<b>Misc accessories</b>	
Plastic CRYSTAL Holder; holds 5 Pairs of crystals	only £0.25
<b>Switches</b>	
Long Lever Microswitch and 'mini' Long Lever Microswitch (5A); 'mini' 10A microswitch; 'mini' Slideswitch (0.5A 24v); 'mini' Toggle Switch SPDT 2 Amp; 5A Mini Toggle switches SPDT and DPDT.	£1.50 Ea
16A heavy-duty SPDT Toggle Switch (Suits Main Power ON/OFF)	£5.00
<b>Fuses</b>	
Std auto-blade fuses to suit P92 & P95. 3A/5A/7.5A/10A/15A/20A/25A/30A. Pkt 5 (All the same or any combination).	£1.00/pkt
Heavy-Duty In-line Fuse Holder (32A max) – Standard auto-blade fuses not included	£2.50
<b>NEW TYPE</b> - Light-duty (15A) In-line Fuse Holder – Mini auto-blade fuses not included	£1.50
Mini auto-blade fuses to suit light-duty In-line Fuse Holder 10A/15A Pkt	£1.00
42A Ceramic connector block (2-way)	£1.00