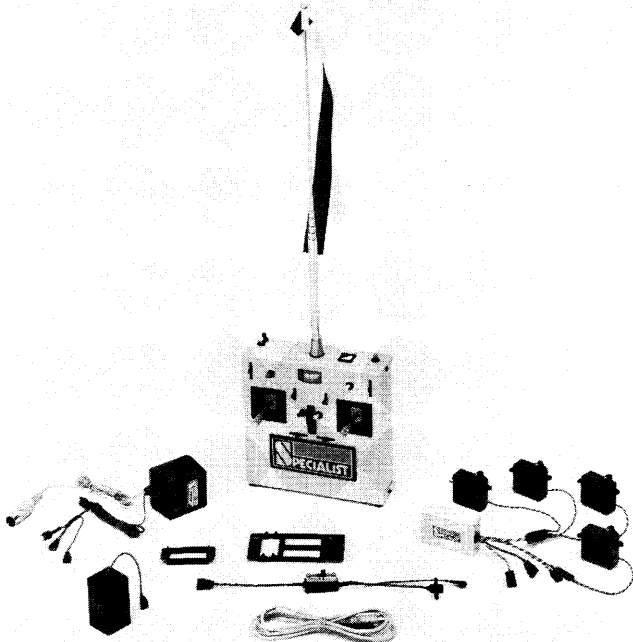


SPECIALIST SIX & EIGHT



MILLCOTT

MILLCOTT CORPORATION
1420 VILLAGE WAY, UNIT E • SANTA ANA, CALIFORNIA 92705

FEATURES

- Grained, vinyl-clad aluminum cases, Tx & Rx
- All-metal open gimbals, sealed conductive plastic pots
- 8 AA ni-cad 500 mah Tx power supply
- Expanded Scale Voltmeter, also monitors airborne
- Choice of Modes I or II, all 72 MHz frequencies
- Electronic trims, crossed. Front panel adjustments
- Dual or exponential rates, adjustable
- Servo reverse and travel adjust
- Three pre-set adjustable maneuver buttons
- Electronic mixer option
- Airborne system check without RF operation
- Double-tuned front end receiver, 3 IF stages, 1/2 frequency crystal
- Servos custom matched for throw, linearity, dead band and resolution
- 4 cell ni-cad airborne power supply
- Switch harness with ITT centiloc and Deans connectors
- Charger with LED's, Tx & Rx independent, C/10 rate

System Configurations

Functions: Proportional (P) switched (S)
Additional 1P and/or 1S

Updating to Specialist Eight

Airborne battery: 500 mah sq or flat
225 or 450 mah

Servos: Standard
additional MC-2 thru MC-5

Dual or exponential rate

Mixer: 2 functions

Switch Harness, independent charger

Servo trays: 2 + 1 + SW and single

Interconnect cable: Tx/Rx

SIX EIGHT

5P, 1S 6P, 2S

Option N/A

Option N/A

Choice Choice

Option Option

MC-2 (4) MC-3 (4)

Option Option

N/A Choice

N/A Option

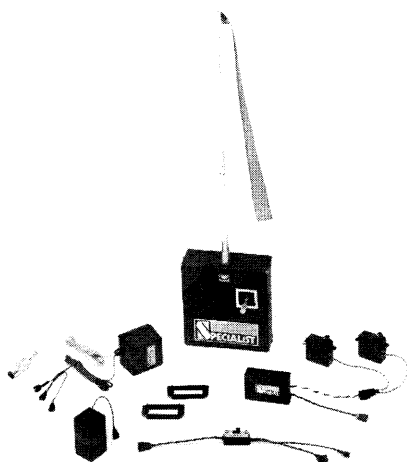
Standard Standard

Standard Standard

Option Standard

Six months warranty, made in USA
See your local dealer

SPECIALIST THREE

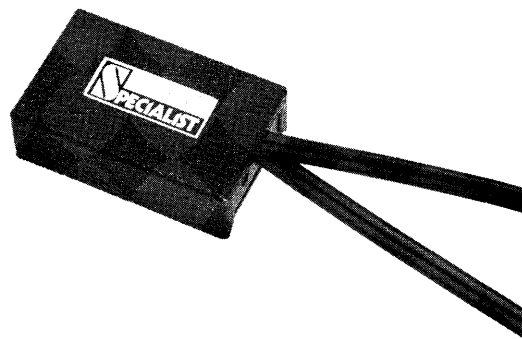


FEATURES

- Grained vinyl-clad aluminum cases, Tx & Rx
- Dunham semi-open gimbal stick & one proportional tab
- Mechanical trims on stick, conductive plastic pots
- All 72 MHz frequencies. Full ni-cads throughout
- Meter monitor of Tx batteries
- Maximum performance servos w/ mounting trays
- Bi-directional electronic mixer as standard
- Deluxe Specialist receiver and airborne switch harness
- Charger with LED's, Tx & Rx independent, C/10 rate

Six months warranty, made in USA
See your local dealer

SPECIALIST 'PLUG'NITER'



FEATURES

The new high-efficiency way to light the glow-plug with a 12 volt battery. The circuit provides:

- Plug heat sensing—adjusts voltage to maintain pre-set heat level, even if plug is flooded (inverted engines!)
- Compensates for low battery voltage—as low as 8 volts
- Heat setting—fully adjustable
- Use with all plugs—1.5 and 2.0 volt
- Energy consumption—only 25% of that required by conventional dropping resistor

SPECIFICATIONS

Temperature range of system operation 0°-160°F

TRANSMITTER

Weight	Specialist Eight 38 oz (1077 gm) Specialist Six 36 oz (1021 gm)
Size	6.60 x 6.80 x 1.85" (167.6 x 172.7 x 47 mm)
Frequency & tol.	All 72 MHz \pm .002%
Power consumption	1.54w (9.6v @ 160 ma) 8-ch. On-off carrier, 100%
Modulation & %	Pulse position, 20ms frame 8-ch 1500 μ s at control neutral
Control position accuracy	Better than 1% over voltage and temperature range
Channel interact	None
Voltage range	12.0-7.5 vdc
Antenna	10 section whip, 43" (1092 mm)
RF final input power	960mw @ 10.0v
RF output power, no modulation	500mw (typ) @ 10.0v into 51.5 ohm load
Flight time, cont.	3 hours (typ)

RECEIVER All Systems

Weight	2.2 oz (62.3 gm)
Size	1.56 x 2.52 x 0.80" (39.6 x 64.0 x 20.3 mm)
Frequency & tol.	All 72 MHz \pm .0025%
Power consumption	.163w (4.8v @ 34ma)
IF amp frequency	455 KHz
Sensitivity	3 uv nominal
Selectivity	- 3 db @ 1.5 KHz - 30 db @ 10 KHz
Signal/noise ratio	10 db minimum
Image rejection	6 db
Voltage range	6.0-3.5 vdc (1 shorted cell)

SERVO 3-wire	MC-2 & MC-3	MC-4 & MC-5
Weight	Std 6 Std 8 1.2 oz (34 gm)	Retract Hi-power 1.35 oz (38.2 gm)

Size	1.5 x 1.44 x .72" (38.1 x 36.6 x 18.3mm)	1.95 x 1.6 x .72" (49.5 x 40.6 x 18.3mm)
Output power	19.5 oz in @ 470ma	50.0 oz in @ 470ma
Output function	Rotary \pm 45°	Rotary \pm 90°, \pm 45°
Transit time	.4 sec (90°)	2.8 sec, 1.4 sec
Stall current	470ma continuous	
Response time	20ms (8-ch), 17ms (6-ch)	
Servo idle current	7ma (typ)	
Position accuracy	1/2 % max error	
Max drift w/temp	Negligible	
Pulse type	Positive	
Pulse position	1500 \pm 400 μ s	

AIRBORNE BATTERY PACKS

Capacity	Size—in (mm)	Weight—oz (gm)
225 mah	1.46 x 1.56 x .85 (37.1 x 39.6 x 21.6)	2.00 (57)
500 mah sq	1.25 x 1.25 x 2.18 (31.8 x 31.8 x 55.4)	3.75 (106)
500 mah flat	2.20 x 0.65 x 2.18 (55.9 x 16.5 x 55.4)	3.75 (106)
450 mah vib. resistant	1.50 x 0.94 x 2.25 (38.1 x 23.9 x 57.2)	3.50 (99)
Flight time (typ)	500 mah w/4 servos	3.0 hrs
	450 mah w/4 servos	2.75 hrs
	225 mah w/4 servos	1.0 hr
	225 mah w/2 servos	1.75 hrs

BATTERY CHARGER

Input voltage	115 vac (220 vac available)
Frequency	50/60 Hz
Power consumption	1.2 va
Output—Tx side	50ma @ 9.6vdc (nominal)
—Rx side	50ma @ 4.8vdc (nominal)

Size—1.56 x 2.52 x .80 inches
Weight—3.5 oz.
Power drain—4.8 watts w/std 1.5v Fox plug
Supplied with 3 ft. plug lead and 1 foot battery lead

SPECIFICATIONS

Temperature range of system operation 0°-160°F

TRANSMITTER

Weight	Specialist Three 25 oz (709 gm)
Size	5.15 x 5.6 x 1.8" (130.8 x 142.2 x 46 mm)
Frequency & tol.	All 72 MHz \pm .002%
Power consumption	1.25w (9.6v @ 160 ma)
Modulation & %	On-off carrier, 100% Pulse position, 18ms frame 1500 μ s at control neutral
Channel interact	None
Voltage range	12.0-7.5 vdc
Antenna	10 section whip, 43" (1092 mm)
RF final input power	960mw @ 10.0v
RF output power, no modulation	500mw (typ) @ 10.0v into 51.5 ohm load
Flight time, cont.	3.8 hours (typ)

RECEIVER (As Six and Eight)

SERVO 3-wire MC-2 (2)

AIRBORNE BATTERY PACKS (As Six and Eight)

BATTERY CHARGER (As Six and Eight)



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