



## 4-6 Function PWM Receiver

### RECEIVER PART NUMBER

**33RX06** 4-6 Function PWM Receiver – only 4 functions used

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### Compatible Transmitter

IP TX2006

### TRANSMITTER SPECIFICATION - See TX2006

### RECEIVER SPECIFICATION

#### ENCLOSURE

Material Lid	Clear PVC lid - to view LEDs
Base	Black Polycarbonate
Dimensions	187 x 140 x 80mm (7.36 x 5.50 x 3.15 ins.)
Weight	290 gms
Breather	Gortex membrane
IP Rating	IP66
Functional Identification	LED though clear lid
Mounting	4 external lugs
Fixings	5mm (3/16") - not supplied

#### ELECTRICAL

Voltage Nominal	12/24 volts
Voltage Min/Max	9 to 32 volts
Connection - Case	Deutsch HDP24 24-31-PE Receptacle with pins
Connection - Harness	Deutsch HDP26 24-31-SE Plug with sockets
Switch Type	MOS Field Effect Transistor (MOSFET)
Function Current – max	1,2 or 3 Amps selectable
System Current – max.	15 amps.
Functions	4-6 (8-10 not used)

#### PWM INFORMATION AND ADJUSTMENTS

Frequency	5000 hz
Threshold	Adjustable
Top Limit	Adjustable
Dither Frequency	10 – 200Hz
Dither Amplitude	0 – 20%
Ramp up time – max	100 – 5000 milliseconds
Ramp down time – max	100 – 5000 milliseconds
Flow Control Adjustment	Yes – Requires dedicated TX buttons
Flow Control Start Level	Adjustable between threshold and top limit

**RF**

Modulation	2-GFSK. Gaussian Frequency Shift Keying
Frequency	433.050 MHz to 434.790 MHz
Channels	32
Channel Selection	Fixed
Technology	Fixed Receiver
Temperature Range	-30deg.C to 85deg.C
Range	60m (200ft)
Range max.	300m (1000ft) in open ground
Registration Codes	Over 16 million

**AERIAL**

Aerial	Internal – ¼ wave wire
Aerial option	SMA Connector fitted
External Antenna	AC9860/1/2/3 & 9 – order separately

**POWER**

Quiescent Current	65mA
Current Standby (SET)	68mA
RF Radiated Power	0dBm

**SAFETY & PROTECTION**

Back EMF	Yes – protection diodes
Reverse Polarity	Yes
System Monitoring	Yes – using a secondary processor
Transient Voltage	Yes – TVS Diode 30.8 volts. 10amp fuse recommended
Auto Off - TX out of range	Better than 500 milliseconds
Overload	Yes – by temperature sensor

**CONFIGURATION**

Operating System	Lodar Script
Functions	Momentary with Horizontal Interlocks
Master Output	Parallel – Continuous optional

**INFORMATION**

Fault Code	Yes	LED
Receive Indication	Yes	LED
Out of Range Indication	Yes	

**PACKAGING**

Brown Box

**COMPLIANCE**

See compliance documentation

**ENCLOSURE**