

92 Series - FET System 4 Function with IP Transmitter



SYSTEM PART NUMBER

92204 4 Function Receiver & Transmitter

REPLACEMENT TRANSMITTER

92204TX 4 Function

System Contents

1x	Transmitter with batteries
1x	Lanyard
1x	Receiver with wiring harness and glands
1x	Instructions

System shown: 92204

IP TRANSMITTER SPECIFICATION

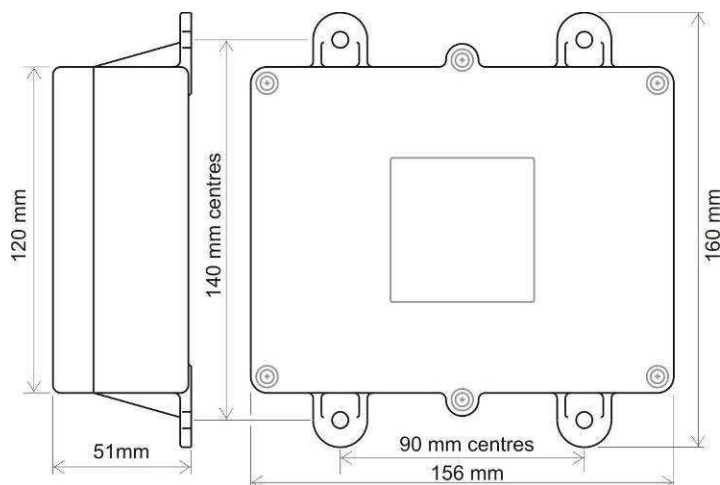
SWITCH - Type	Tactile Dome on PCB Keypad		
BATTERY - Type	4 x AAA Alkaline Manganese in holder (6 Volts)		
INDICATOR			
Type	1 x Red LED		
Off	Transmitter OFF (The STOP Button has been pressed and released)		
Slow flash	Transmitter ON and ready for use (The SET Button has been pressed and released)		
On	Transmitting (A STOP, SET or Function Button is being pressed)		
Fast flash	Transmitting – Indication that the battery will need replacing soon		
CURRENT DRAWN			
Quiescent	15 micro amps		
Operating	24 milliamps		
PROTECTION			
Reverse polarity	Protected		
IP Rating	67		
Registration codes	Over 16 million		
PERFORMANCE			
Temp Range	-10° C to + 40° C (13° F to + 104° F)		
Range Nominal as supplied	60 metres (200 ft) from the Receiver, when driving a momentary output without signal drop out		
Transmitted power	1 mW Typical		
COMPLIANCE			
EMC	2004/104/EEC	Exceeds ETSI 300 220	Compliant E11 10R-037601
Modulation	FM		
Frequencies	418.00 MHz F1D	USA (optional UK)	
	433.92 MHz F1D	World wide (optional USA)	

RECEIVER SPECIFICATION

SWITCH TYPE	
Output Switching	MOS Field Effect Transistor (P Channel Power MOSFET)
SUPPLY VOLTS	
Nominal	12/24 Volts DC
Absolute Maximum	40 Volts DC
Minimum	8 Volts DC
Output Switch Supply	Internal 12/24 Volts
AMPS	
FET Rating	15 Amps
System Rating	15 Amps
Quiescent Current	25 mA on Standby (Not SET)
Overload Protection	15 Amps (Auto Shutdown)
AERIAL	
Internal Antenna	Yes Supplied and fitted
External Antenna	Optional See Accessories.
OUTPUTS	
Master	1 Can be Parallel or Continuous. Not all models – see Build Specification Table.
Function	2 / 5
Master (Secondary)	1 Continuous. Not all models, see Build Specification Table.
CONFIGURATION	
RS232 Programming to users requirements	Yes Not all models, see Build Specification Table. For programming interlocks, push/push latch, parallel master inhibit, timeout, channel timeout delay, master on delay, radio button de-latching and output allocation.
PERFORMANCE	
Simultaneous Outputs	Yes With horizontal interlocks (Interlocks are programmable – see CONFIGURATION above)
Instant TX response	Yes No perceivable delay between TX operation and RX action
DIAGNOSTICS	
LED's	Yes Confirm 5 Volts, SET, Fault and all Outputs.
PROTECTION	
ESR Safety	Yes See ESR Safety document.
Back EMF	Yes Diode protected on all outputs
Registration codes	Over 16 million
STOP Connection	Yes Internal Emergency Stop Connection. Not all models, see Build Specification Table.
WIRING	
Wiring Loom	Yes 3 metres (10ft) supplied and fitted
Cable Gland	Yes Supplied and fitted
Connections	Screw terminal into plug and socket on PCB, for easy "swap out"

DIMENSIONS

ENCLOSURE	
Weight	0.3 lbs (335gms)
Lid	Clear PVC - to view LEDs
Base	Black PVC
Breather	Gortex fitted in base
Mounting	4 external lugs
Fixings	5mm (3/16") not supplied
IP Rating	Performs to IP67 standard (0.5 metre water for 1 hour)



ACCESSORIES	9861, 9862, 9863 and 9869 – External Antenna with cable.
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