96000 – AC 2 Function & Mini Transmitter

96 Series – AC Relay System (No Master)

SYSTEM PART NUMBER

96000 2 Function Receiver + 2 Function Mini Transmitter

REPLACEMENT TRANSMITTER

90002TX

2 Function Mini Transmitter

CONTENTS

- 1 x Receiver
- 1 x Mini Transmitter
- 1 x Lanyard
- **1 x** Instructions



MINI TRANSMITTER SPECIFICATION

SWITCH

Туре

Rubber membrane with carbon contact

BATTERY Туре

3 Volts (2 x AAA)

CURRENT DRAW

Quiescent Operating

PROTECTION

Reverse polarity **IP** Rating **Registration codes**

PERFORMANCE

Temp Range Range Nominal as supplied Transmitted power

COMPLIANCE

EMC Modulation Frequencies

4 micro amps 20 milliamps

Protected 65 Over 16 million

-10°C to + 40°C (13°F to + 104°F) 45 metres (150 ft) from the Receiver, when driving a momentary output without signal drop out 1 mW Typical

Exceeds ETSI 300 220. FM 418.00 MHz F1D 433.92 MHz F1D

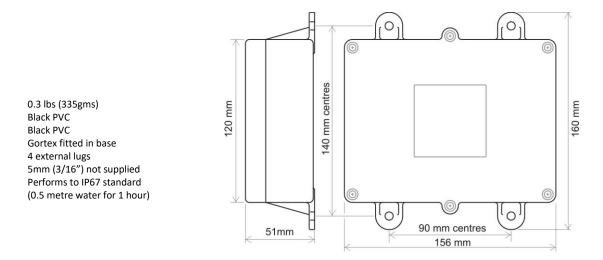
Compliant E11 10R-037601 USA (optional UK)

World wide (optional USA)

RECEIVER SPECIFICATION

SWITCH TYPE					
Output Switching	HF118F N	/iniature High Power Relay			
Max. Switching Current	10 amps a	at 250VAC			
Max. Switching Power	2500VA				
Max. Switching Volts	250 VAC Nominal				
Min. Switching Volts	48 VAC (below this the Safety Circuits will switch off the Receiver				
SUPPLY VOLTS					
Nominal	90/264 V	AC			
	50,2011				
AMPS					
Quiescent Current	25 mA on Standby (Not SET)				
AERIAL					
Internal Antenna	Yes	Supplied and fitted			
External Antenna	Optional	Receiver must be ordered with SMA connector (see Accessories Part 9010).			
OUTPUTS					
Master	None				
Functions	2				
	_				
CONFIGURATION					
RS232 programming	Optional	Receiver must be ordered with RS232 connector (see Accessories Part 9011) for programming to user			
		requirements; interlocks, push/push latch, parallel master inhibit, timeout, channel timeout delay,			
		master output delay etc.			
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			
instant in Response	105	no perceivable delay between 1X operation and 1X action			
DIAGNOSTICS					
LED's	Yes	Confirm 5 Volts, SET, Fault and all Outputs.			
PROTECTION	Mara				
ESR Safety Back EMF	Yes Yes	See ESR Safety document. Diode protected on all outputs			
	Yes	Over 16 million			
Registration codes STOP Connection	res Optional	External Emergency STOP connector (see Accessories Part 9011).			
	Optional	Literial Lineigency STOP CONNECTOR (SEE ACCESSORES Part SOTT).			
WIRING					
Wiring Loom	No				

WINNING .		
Wiring Loom	No	
Cable Gland	Yes	Supplied and fitted
Connections	Yes	Screw terminal into plug and socket on PCB, for easy "swap out"



ACCESSORIES

ENCLOSURE

Weight

Mounting Fixings IP Rating

Lid Base Breather

> 9861, 9862, 9863 and 9869 – External Antenna with cable. 9010 – SMA Connector, for external aerial 9011 – ST, S+ & S- connector and RS232 connector

96 Series				02	04	100	02	64
BUILD SPECIFICATION TABLE FOR MODELS IN THIS RANGE		96000	96002	96004	961(961(96104	
Ident	Legend	Connection	•••	•••	•••	•••	•.	•.
	E	Earth	S	S	S	S	S	S
	L	Live	S	S	S	S	S	S
	N	Neutral	S	S	S	S	S	S
	F1 & F2	Outputs to F1 & F2 (IN & OUT)	S	S	S	S	S	S
	F3 & F4	Outputs to F3 & F4 (IN & OUT)			S			S
	М	Master Output		S	S		S	S
	S-	Stop Circuit (5 Volts DC)		S	S	S	S	S
	ANT	Internal Antenna	S	S	S	S	S	S
	SMA	Connector for External Antenna		S	S		S	S
LK1		Master Parallel		С	С		С	С
LK2		Master Continuous		С	С		С	С
RS232		RS232		S	S		S	S

S = Standard. M = Standard but Master only connected. C = Customer configured (see "Factory Settings").

E	Earth
-	Live 90-264 VAC
F1, F2, F3, F4	Outputs F1 to F4
M	Master Output
ST	STOP - grounding shuts down the Receiver
ANT	Blade Connector for Internal Antenna
SMA	Aerial Connection for External Antenna (Internal Antenna must be removed)
LK1	Jumper fitted to this link for Continuous Master
LK2	Jumper fitted to this link for Parallel Master
Factory Settings	418MHz configured Parallel, 433.92MHz configured Continuous
RS232	RS232 for interface with other RS232 modules and special programming

