

TI Series - FET System 4 Function with Mini Transmitter



SYSTEM PART NUMBER

110004 4 Function Mini Receiver
with + 4 Function Mini Transmitter

REPLACEMENT TRANSMITTER

TX0004 4 Function Mini Transmitter

TRANSMITTER SPECIFICATION

Enclosure

Material	ABS
Switch Type	Silicone Rubber keypad with carbon pill
Functions	4
Identification	Subsurface printed transmitter label

RF

Modulation	2-GFSK. Gaussian Frequency Shift Keying
Frequency	433.050 MHz to 434.790 MHz
Channels	1
Channel Selection	Fixed
Technology	Hand-held Transmitter
Temperature Range	-10° to +40°C. Use Lithium for lower temperatures
Range	45m (150ft)
Registration Codes	Over 16 million
Aerial	Internal – printed on PCB

Power

Batteries	2 x AAA – 3 volts. Temperature Range -40°C to 54°C
Quiescent Current	5uA
Current Standby (SET)	2mA
Current Transmitting	30mA
RF Radiated Power	0dBm

Safety & Protection

IP Rating	66
Reverse Polarity Protection	Yes – MOSFET

Information

Transmit Indication	LED on when TX operated
Fault Codes	LED flashes fault code
Low Battery	LED flashes when TX operated

Compliance

See compliance documentation

SYSTEM CONTENTS

1 x TI Mini Transmitter

1 x Lanyard

1 x Mini TI Receiver with Wiring
Harness and Glands

1 x Instructions

Illustrated Model Number 110004

RECEIVER SPECIFICATION

Enclosure

Material Lid	Clear PVC – to view LEDs
Base	Black ABS
Dimensions	120 x 110 x 38mm
Weight	290gms
Breather	Goretex membrane
IP Rating	I
Functional Identification	LED through clear lid
Mounting	4 external lugs
Fixings	5mm – not supplied

Electrical

Voltage Nominal	12/24volts
Voltage Min/Max	9 to 32 volts
Connection	1.5m 7 core cable through gland
Switch Type	MOS Field Effect Transistor (MOSFET)
System Current – max	6 amps
Functions	4

RF

Modulation	2-GFSK. Gaussian Frequency Shift Keyring
Frequency	433.050 MHz to 434.790 MHz
Channels	1
Channel Selection	Fixed
Technology	Fixed Receiver
Temperature Range	-30° C to 85°C
Range	45m
Range max	300m in open ground
Registration Codes	Over 16 million

Aerial

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

Aerial

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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
Overload	Yes – by temperature sensor

Configuration

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

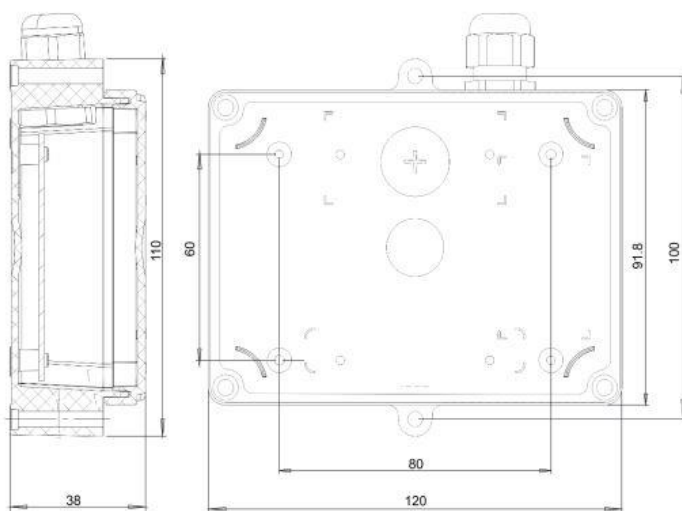
Information

Fault code	Yes	LED
Receive Indication	Yes	LED

Compliance

See compliance documentation

DIMENSIONS



Receiver Enclosure

11RX02 & 11RX04 – 2/4 Function Shown