

SSRCTX Technical Description



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1 Introduction

1.1 Purpose of the Document

This document contains the technical specifications of the SSRCTX product.

2 Technical Specifications and Dimensions

2.1 Technical Specifications

Dimensions	
Length	9.0 in / 22.9cm
Width	7.9 in / 20.1 cm
Height	4.75 in / 12.1 cm
Weight	2.6 lb. / 1.2 kg
Environmental	
Operating Temperature	-20 to 70°C
Storage Temperature	-40 to 85°C
IP Rating	IP65
Electrical	
Internal Supply	Primary: 9VDC 6-AA Alkaline batteries
External Supply	9-30VDC via backup harness
Current Consumption	< 500 mA
Wireless Interface	
Radio Module	RM024, Laird Connectivity
Frequency Band	2400-2483.5 MHz
RF Data Rate	280 kbps
RF Technology	Frequency Hopping Spread Spectrum (FHSS)
Receiver Sensitivity	-92 dBm (1% PER)
Modulation	MSK
Maximum Output Power Conducted	10 dBm
Host Interface	Serial – 115200 kbps
Wired Interface	
Serial Interface	Serial – 1200 / 57600 kbps
CAN	250 kbps
User Interface	
External Connector	Deutsch 6-pin
Pairing Switch	Pushbutton - Inside of battery housing
Security Key	USB key – Inside of battery housing
LCD	Type: WQVGA monochrome HR-TFT transfective panel Screen size (Diagonal): 2.7 in / 6.9 cm Dot Structure: 400 x 240 Backlight: Yes
Stop Switch	1 with 1 NO / NC red momentary pushbutton
General Purpose Switches	Up to 20
General analog/joysticks	Up to 8