CYPRESS
INTEGRATION SOLUTIONS

Suprex RF Series

Specifications Sheet

Suprex® Reader Extender - RF Wireless Interface

SPX-5631
2.4 GHz

RPT-5661
2.4GHz
Repeater

SPX-5641
2.4 GHz

EXP-2000

Cypress Suprex SPX-5000 Series Overview

This manual covers the operation and setup of the Cypress Suprex RF SPX-5000 series wireless units.

Overview:

The SPX-5000 series of RF Wireless solutions provides a wireless bridge from card readers with gates or door hardware to most access control manufacturers panels. The SPX or Suprex® products include both the remote (Door/Gate) unit and the central (AC Panel) unit. In the case of the SPX-5000 series of wireless products optional repeaters / extenders are also available.

Features:

-- Includes complete solution with remote (reader/gate/door) and central (panel) interface.
-- Service mode for setup and configuration.
--"Quiet" protocol to conserve bandwidth and power
-- Field configurable reader formats
-- Multifunction indicator for determining operational status of the unit
-- Auxiliary I/O connections available for Door/Gate/Panel status signaling.
-- Multiplexing of RF bridge providing for additional door/gate on a single RF link.
-- Economical expansion capabilities using Suprex Lynk technology

RF Specifications:

2.4GHz or 900Mhz frequency
AES Encryption upon request

Electrical and Mechanical Specifications

Physical	Weatherproof Enclosure - ABS - IP65 SPX units 6.75" x 4.75" x 2.10" (Each unit)	
Temp	Storage(-55˚C to + 150˚C) - Operating(-40˚C to +80˚C)	
Humidity	95% (non-condensing)	
Power	Input	Unreg Input 8 to 16 VDC* @ 500mA Max
	Output	+5VDC @100mA
Data I/O	Interface	Reader -Wiegand, Strobed (Clock & Data), Special LED - 0 - 30V
	Wiegand	Maximum 248 bits - pass through
Relays	Max Switching	(220Vdc 30W (resistive) 1A)
		(250Vac 37.5VA 1A)
	Running Spec with load	(30Vdc 1A (resistive), 1 x 10^5 operations at 20^o C
		125Vac .3A (resistive), 1 x 10^5 operations at 20^o C

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