

RDIDS

Rapid Deployable Intrusion Detection System



RDIDS™ Series 4000

The RDIDS™ provides undefeatable perimeter security using pulsed infrared technology to create multiple detection zones each with a range of up to 1000 feet. The RDIDS™ uses solid state electronics that are not affected by environmental conditions such as birds, small animals, snow, puddles, leaves, grass and mechanical vibrations. It works in rain, snow and fog and instantly pinpoints the intrusion zone via normally opened or closed dry contacts that can be interfaced with any user's data communication and annunciator, or a data communication system supplied by SIGCOM, Inc.. RDIDS™ does not emit a false alarm. The system will only alarm if an object breaks the 3.54" diameter beam more than 98.5%.

We are a hi-tech security solutions provider manufacturing stand-alone and fully integrated state-of-the-art perimeter intrusion detection systems for all environments (land, air and water) through a secure communications infrastructure to central or distributed command and control centers. We have enjoyed a reputation of quality and innovation, producing and supporting the best perimeter systems available for solving site-specific security needs.

Specifications

The RDIDS™ maintains its specified performance when exposed to the environmental conditions as detailed herein

HARDWARE

Transmitter pulse dia.	3.54 in. (90mm)	Sensor dimensions	4.34" x 4.54" x 22.5"
Lens diameter	3.4 in.	Sensor weight	9 lbs.
Transmitter divergence	15 mrad	Sensor housing	Injection molded polypropylene 3/8" wall
Emitter wave length	930 nanometers	Power supply:	
Receiver divergence	7.5 mrad	Central battery power	12V (trickle charged) direct to each sensor
Transmitter synchronization	Internal or external	Decentralized battery power	12V (trickle charged) at designated pole based on site requirements
Pulse frequency	1200 Hz	Weight per lens shield	0.5 lbs.
Pulse time	.6µs	Lens shield measurement	3.6 in. dia. x 8 in.
Pulse intake capacity of emission diode	200 mwatts	Effective IPID coverage:	
Operation voltage per sensor	12VDC	Fog free areas	up to 1000ft.*
Alarm time	2 sec minimum or as long as transmitter pulse is broken	Average fog conditions	up to 300 ft.*
Alarm delay	20-120 mSECS	Temperature range	-40° C to +70° C

Note: Optimum working distances will vary depending on climate and specific security requirements.

POWER USE

	SINGLE STACK		DOUBLE STACK	
	"A"	"B"	"A"	"B"
SENSORS	64mA	55mA	119mA	110mA
TERMINATION LOGIC	44mA	--	44mA	--
R.F. TRANSMITTER	14mA	--	14mA	--
TOTAL	122mA	55mA	177mA	110mA
	TRIPLE STACK		QUAD STACK	
	"A"	"B"	"A"	"B"
SENSORS	174mA	165mA	229mA	220mA
TERMINATION LOGIC	44mA	--	44mA	--
R.F. TRANSMITTER	14mA	--	14mA	--
TOTAL	232mA	165mA	287mA	220mA

SIGCOM is a Value Added Reseller of ECSI International

For detailed information regarding Rapid Deployable Intrusion Detection System, contact:

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