


TECHNICAL DATASHEET

STX4-12V (TRANSMITTER)
SRX4-12V (RECEIVER)

ACTIVE INFRARED SENSOR, 4-BEAM

IR Global is the exclusive manufacturer of the original EAG GERMANY active infrared detection system including engineering, installation, and maintenance support.

	Features
	The active infrared sensor is designed to operate and perform under extreme harsh environmental conditions. This technology offers a proven track record and may be employed in challenging applications unmatched by other sensor technologies. The transmitter and receiver create an invisible pulsed infrared signal. Receiver sensor generates an alarm output at the moment an intrusion occurs
	The scientifically developed optics and electronics coupled with a hermetically sealed and robust cast aluminum housing guarantee maximum performance and system longevity. The robust cast aluminum housing protects the sensor from electro static discharge (ESD), electromagnetic pulse (EMP), and electromagnetic radiation (EMR).
	Detects following intrusion types: Vehicles, walks, runs, run/jump, crawls, tower climbing
	Each lens has an active diameter of 90 millimeters. The alarm is only trigger if the lens is 98.5% covered. Low Nuisance and False Alarm Rate (NAR / FAR)
	Sensor can be quickly & easily aligned, using three spring-loaded alignment screws
	Multiple sensors and sensor types can be installed together in the same security zone
Mean time to replace (MTTR) < 30 minutes; minimal maintenance required	

Technical Specifications

Part Number	STX4-12V (transmitter); SRX4-12V (receiver)
Dimensions	Height 720 mm (28.4 in) Width 110 mm (4.3 in) Depth 135 mm (5.3 in)
Optic Diameter	90 mm (3.5 in)
Optic Beam Qty / Optic Spacing	Four / 200 mm (7.8 in)
IR Frequency	1200 Hz
IR Pulse Duration	6 μ s
Detection Pattern	Height 690 mm (27 in); Width 90 mm (3.5 in); Length 150 m (490ft) average weather condition; 70 m (230ft) heavy fog, snow, rain
Alarm Contact	Dry contact relay, output; max rating 30V1A
Alarm Trigger Delay	20 -120 ms (hardware settings)
Alarm Signal Length	2 seconds
Alarm Outputs	Sensor tamper alarm; Intrusion alarm (only receiver sensor)
Detection Performance	Greater than 99.8%
Power Supply	12 VDC
Power Consumption	70 mA
Operating Temperature	-40° C to 70° C (-40° F - 158° F)
Environmental Rating	IP68
EMC / EMI	Protected
Weight	9.5 kg (20.1 lbs)

TDS-SENSOR 4-BEAM_rev01