BLACK BOX®
NETWORK SERVICES

ServSensor Contact V4

Key Features

▶ Supports up to 8 plug-and-play sensors

▶ 20 or 60 dry contact inputs

▶ 4 video inputs for surveillance cameras

▶ Several warning and alarm capabilities: SNMP, E-mail, SMS, MMS

The ultimate security and monitoring system solution!

The ServSensor Contact V4 is the latest generation of environmental and security appliance from BLACK BOX. It comes in a 1U (20 inputs version) or 2U (60 inputs) rackmount box. The ServSensor Contact V4 is the complete solution for your enterprise infrastructure security.

Architecture

At the core of the ServSensor Contact V4 is the ServSensor V4, which is enhanced with the 20 / 60 dry contact system. This offers support for remote monitoring and management of various external devices, like HVAC systems, Security Equipment, UPS, Generators, Industrial Equipment etc. The embedded web server makes the addition of these devices as easy as 1-2-3.

The ServSensor Contact V4 comes with 8 full auto-sense RJ-45 ports for connecting any of our intelligent sensors. The specially designed 2 wire dry contact ports are easy to use and allow you to make your own dry contact cables quickly and easily.

Embedded Linux System

The ServSensor Contact V4 is based on a erful processor and includes plenty of memory, along with

10/100 Mbps Ethernet and two serial ports. With a real Linux kernel running on the system, the ServSensor Contact V4 is able to embed many applications including encrypted https web pages, Telnet, email and Nagios.

4 Camera Features

Capable of connecting up to 4 external cameras, the ServSensor Contact V4 supports a wide range of analog cameras: existing security cameras, sophisticated night vision, or low cost CCTV cameras. The ServSensor Contact V4 can display pictures from up to 4 cameras simultaneously in several sizes.

Video Conferencing and Sensor Graphing

Video conferencing is activated by connecting external camera to the units for facilitating communication. The speaker and microphone are integrated into hardware. A regular Open H.323 protocol is used, with many different audio and video codecs supported.

The ServSensor Contact V4 integrates and displays graphs, plotted into its web-based user interface under a regular or SSL-secured web server. The individual graph (day, week, month, and year) for each sensor type can be easily customized.

Specifications

Connections

Sensors: (8) RJ45 F, proprietary signaling; EME119A-20: (20), EME119A-60: (60) terminal screw dry contacts
Video: (4) Cinch F, 75 ohm, 1.0 Vpp PAL / NTSC* composite
Audio: (1) 3.5 mm jack F 100 mV / 10 kohm audio in (mono); (1) 3.5 mm jack F 2 W / 4 ohm audio out (mono), (1) 3.5 mm jack F, 2 Vpp mic out
Serial: (2) DB9 M RS232/V.34
Network: (1) RJ45 F 10BASE-T/100BASE-TX autosense
Power: (1) 2.4 mm jack F

Engine

Processor: 32-bit ARM
Memory: 64MB SDRAM, 128MB NVRAM
Operating system: embedded Linux
Video sampling resolution: max. 640 x 480 pixel
Video frame rate: max. 30 fps
Video color depth: max. 16 bit
Video streaming refresh rate: max. 15 fps @ 320 x 240 with fast network option and only one camera
Snapshot memory capacity: 2320 pictures
Audio sampling rate: 8 kHz

Features:
- sensor measurement and graphing (day, week, month, year)
- configurable low / high warning and critical levels
- email alerts with attached picture, SNMP traps
- message filtering

Management

Indicators: (1) Power, (1) Link, (1) Activity, (8) Status, (8) Online; per dry contact input: (1) Status, (1) Online
Configuration and control: HTTP / HTTPS
Protocols supported (client): DHCP, DNS, SMTP, (S)NTP, SNMPv1
Access control and security: admin / user access levels, password, SSL encryption (HTTPS), SNMPv3

Physical and environmental

Power supply: external; Input: 100 – 40 V AC 47 – 63 Hz autosense; Output: 7.5 V DC, max. 2 A
Operating temperature range: 5 to 45 °C
Operating temperature humidity: 20 to 80%RH, non-condensing
Operating altitude: 0 to 3000 m
Dimensions (H x W x D): EME119A-20: 42 x 457 x 127 mm, EME119A-60: 88 x 457 x 127 mm
Weight: EME119A-20: 1.5 kg, EME119A-60: 2.3 kg
MTBF: 87600 h

▼ Ordering information

ITEM	CODE
ServSensor Contact V4-20	EME119A-20
ServSensor Contact V4-60	EME119A-60
Sensors	
Temperature sensor 4.5m	EME1T1-015
Dual temperature and humidity sensor 4.5m	EME1TH1-015
Motion detector sensor 4.5m	EME1M1-015
Security sensor 4.5m	EME1Y1-015
Dry contact sensor 4.5m	EME1K1-015
Power Switch 1-port 0.9m	EME1P1-003

For a full list of available sensors, please consult our ServSensor datasheet (#41389)

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 seconds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-to-end service.

On-line — receive technical knowledge on-line, including technology overviews, Black Box Explains and the Knowledge Box.

Most comprehensive TECHNICAL SUPPORT — our best Product! Free hotline TECH SUPPORT!

The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

BLACK BOX exclusives — Certification Plus. Guaranteed-for-life products and services.