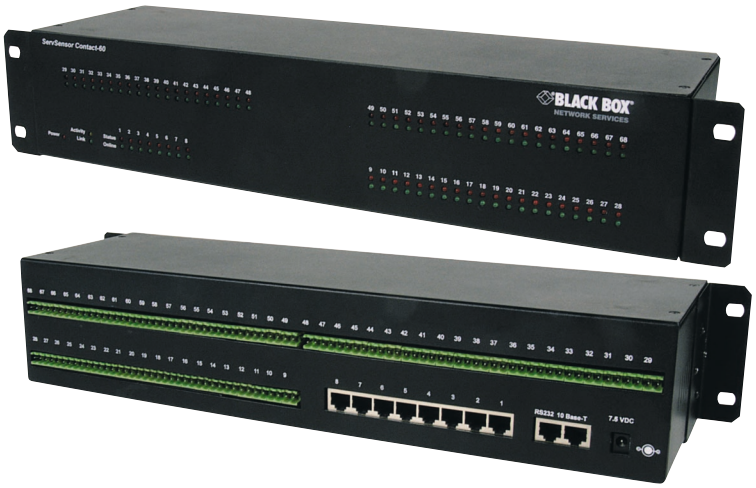
BLACK BOX®
NETWORK SERVICES

ServSensor Contact



Key Features

- Supports up to 8 plug-and-play sensors
- 20 or 60 dry contact inputs
- Email warnings and alarms / SNMP traps
- Java-based web user interface

Product description

ServSensor Contact is based on Black Box's popular ServSensor product with an additional 20 or 60 dry contact inputs. It comes in a 1U (20 contacts version) or 2U (60 contacts version) 19-inch rack-mountable robust metallic enclosure.

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

ServSensor Contact comes with 8 full auto-sense RJ-45 ports for connecting any of the intelligent sensors from the ServSensor product line. An additional 20 (60), 2 wire dry contact ports are provided giving a total of up to 28 (68) dry contact ports. 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.

ServSensor Contact is a completely embedded host and comes with a proprietary Linux-like operating system. It is equipped with a TCP/IP stack, internal web Server, e-mail, SMS and full SNMP functionality. It is virtually a 'plug-n-play' device and is extremely easy to use and maintain. The installation process is also simple and one does not need additional power supply or batteries when new optional sensors are added.

You can connect up to 8 of intelligent, auto-sense sensors in any combination to monitor temperature, humidity, water leakage and airflow including long term graphing, security, detection of AC power line voltage, measurement of DC voltage, control relays, and many more such uses. An integrated data collection and graphing package is especially useful in spotting trends and providing information for analysis.

The new improved web interface gives you the freedom to configure the dry contacts and setting the alarms to keep you informed. The embedded database has an in-built time stamp that maintains a log of all events. The product is fully embedded with SNMP, which means a tightly integrated solution for integrating with any of your SNMP based network management systems.

The ServSensor Contact's advanced encrypted micro code updating program can easily and effectively update your firmware over the network.

Specifications

Sensors: (8) RJ45 F, proprietary signaling; EME11*A-20: (20), EME11*A-60: (60) terminal screw-compatible dry contacts
Serial: (1) RJ45 F RS232/V.34
Network: (1) RJ45 F 10BASE-T/100BASE-TX autosense
Power: (1) 2.4 mm jack F

Engine
Specifications:
Processor: AVR 8-Bit Risc
Memory: 128kB Flash, 32kB internal RAM
Operating system: proprietary

Feature:
- sensor measurement and graphing (day, week, month, year)
- configurable low / high warning and critical levels
- email alerts, SNMP traps

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

Physical and environmental
Power supply: external; Input: 100 – 240 V AC 47 – 63 Hz auto sense; Output: 7.5 V DC, max. 2 A
Operating temperature range:
-35 … +55 °C
Operating temperature humidity:
20 - 80%RH, non-condensing
Operating altitude: 0 - 3000 m
Dimensions (H x W x D):
EME11*A-20: 42 x 457 x 127 mm,
EME11*A-60: 88 x 457 x 127 mm
Weight: EME11*A-20: 1 kg,
EME11*A-60: 2 kg
MTBF: 87'600 h

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Ordering information

ITEM	CODE
Contact-20 8-Port 20 dry contacts no sensor	EME111A-20
Contact-20 8-Port 20 dry contacts 1x temp. sensor	EME112A-20
Contact-20 8-Port 20 dry contacts 1x dual (temp.& humidity) sensor	EME113A-20
Contact-60 8-Port 60 dry contacts no sensor	EME111A-60
Contact-60 8-Port 60 dry contacts 1x temp. sensor	EME112A-60
Contact-60 8-Port 60 dry contacts 1x dual (temp.& humidity) sensor	EME113A-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

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