Honeywell

Q7055B1047
Open View Net Server (OVN)

SPECIFICATION DATA

FEATURES

- **Controller bus interface to Browser TCP/IP via Internet.**
- **Integrated operator access and application upgrade via a browser.**
- **Offers a wide range of network connectivity options.**
- **Easy configurable network interface.**
- **Online system diagnostic support.**
- **Programmed default network address.**
- **Auto discovery of Excel 5000® points.**
- **Monitor and command point attributes.**
- **Time program access.**
- **Integration with Enterprise Buildings Integrator™ (EBI)/ SymmetrE®.**
- **Email event notification.**

APPLICATION

The Q7055B1047 Open View Net Server (OVN) is a Web-enabled operator interface that facilitates secure and easy access to a Honeywell Building Management System (BMS) through the Internet. It provides a connection of a Honeywell XL5000 controller communication bus to an industry standard TCP/IP Ethernet LAN/WAN, delivering exceptional price/ performance to meet the requirements of both building owners and service providers.

With its combination of scalable performance, density and low per-port pricing, the OVN allows network-layer capabilities to be extended to a much wider range of network configurations and environments. OVN supports a full range of BMS features, such as commanding of points, as well as performing complex functions like alarm and schedule management. Advanced features like graphics, trends and reports give enhanced flexibility and total control when accessing the Building Management System from a remote location. Customers can now gain the advantages of high-performance network and services including traffic management to more locations throughout the network.

The Q7055B1047 OVN supports a single RS-485 DC coupled C-Bus compatible communication channel for as many as 5 XL5000 family devices with up to 76.8 kbps and a single RS-232 and 10/100BaseT interfaces.

The OVN uses the TCP/IP WAN connection to provide seamless communication to the requesting device.

Status information, like WAN communication activity, field bus traffic communication and system heart beat of the OVN is indicated by LEDs on the device front.

SPECIFICATIONS

Electrical Ratings:
Supply Voltage: 24 Vac, 50 to 60 Hz, 24 Vdc (external power supply required).
Power Consumption: 8 VA.

Temperature Ratings:
Operating: 32° F to 120° F (0° C to 49° C).
Storage: -13° F to +185° F (-25° C to +85° C).

Humidity Ratings: 5 to 93% RH, non-condensing.

System Data:
Processor: AMD SC2200, 266 MHz, 32 bit microprocessor.
Data Transfer: 10/100 Mbit/sec., 802.3 Ethernet.
LAN Interface: 10/100BaseT (RJ-45).
Field Bus: RS-485 DC coupled XL5000 C-Bus.
Device Interface: Serial RS-232.
Memory: SODIMM, Compact Flash.
OVN supports a maximum of 2,000 points (access/subscription).
MTBF: > 100,000 hours.

Safety:
Protection Standard: IP20 according to EN60529.
Protection Class: II according to EN60730-1.
Flame Retardant: V0 according to UL 94.

Dimensions (W x H x D): 2-13/16 in. (72 mm) x 8-13/16 in. (224 mm) x 7-13/16 in. (199 mm).

Weight: 3.0 lb (1.4 kg).

Approvals:
Electromagnetic Compatibility (EMC): EN50081-1 and EN50082-2.
Electromagnetic Emission (EME): FCC Class A.
Energy Management: UL 916 (pending).

Additional Equipment:
DC Power Supply: Jameco® Model No. DDU240050, 24 Vdc, 0.500 mA output, wall mounted power cube Class 2 (not included, purchase locally).
AC Power Supply: 120 Vac/50 to 60 Hz input, 24 Vac output,14507287 series, or 14507350-002, Listed.
Mounting:
14006090-555151 series communication panels.
50013930-001 Mounting Bracket

SYSTEM OVERVIEW

Fig. 1 shows an application example of the OVN family devices in a Building Management System.

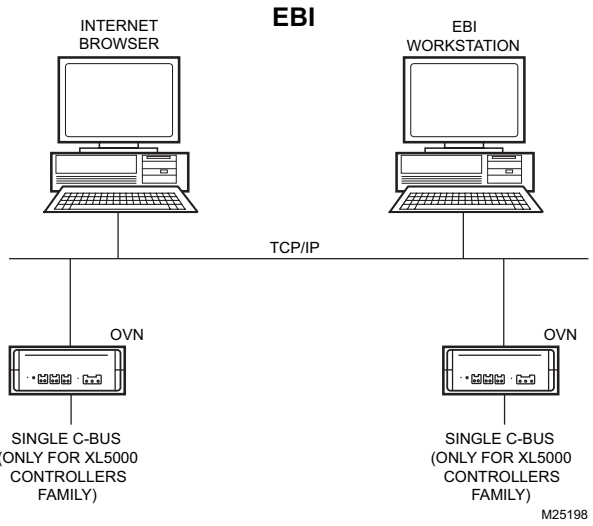

Fig. 1. Application block diagram.

Typical characteristics of the OVN components are as follows (see Fig. 2):
OVN: The OVN contains a high-speed state-of the-art 32-bit microprocessor including a communication co-processor designed for maximum performance. It is designed for reliable and robust operation under a wide range of operating conditions.
10/100BaseT: 10/100BaseT RJ-45 Ethernet LAN connector meets the requirements of ANSI/TIA/EIA 586 Category 5 for unshielded twisted pair connections.
RS-232: 9-pin SUB-D male RS-232 connector, electrically isolated, PC pin compatible, protected against spikes.
Field Bus: 2-pin connector for field bus connection (channel 1) electrically isolated, meets the EMC and FCC requirements.
Power: 3-pole Phoenix power connector for 24 Vac/dc power supplies.

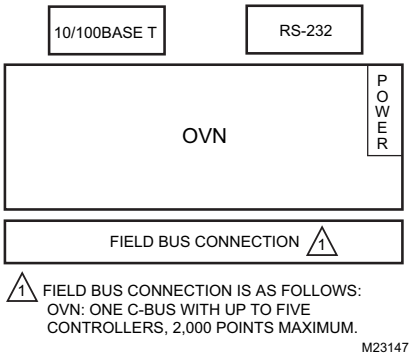

Fig. 2. OVN Components.

ORDERING INFORMATION

Model No.	Description	Shipping Wt.
Q7055B1047	Open View Net Server (OVN) supporting a single RS-485 DC coupled C-Bus.	3.0 lb (1.4 kg)
75554	Data cable with 9-pin D connector.	—

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SymmetrE® and Excel 5000® are registered trademarks and Enterprise Buildings Integrator (EBI™) is a trademark of Honeywell International, Inc.

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