

Excel 15B W7760B BUILDING MANAGER

SPECIFICATION DATA



APPLICATION

The Excel 15 W7760B Building Manager is a *Light Commercial Building Solution* (LCBS) operator interface (network server) and LONWORKS® Bus supervisory device. As an operator interface, it connects the user to the Internet, local area network (LAN), or wide area network (WAN) providing multi-user access to web pages for Building Manager configuration and LCBS monitoring and command functions. As a building manager, it uses LONWORKS® to provide network wide alarm handling, scheduling, and trend logging for application specific XL10 controllers and Excel 15 W7760C Plant controllers.

The W7760B is a network server/appliance equipped with a hard drive. The use of a hard drive greatly expands alarm handling, scheduling, and logging capabilities when compared to EPROM/RAM based control devices.

The W7760B is configured using built-in utilities. It queries the LONWORKS® network to determine the devices installed and self-configures display pages for each supported device.

Building Management Features Supported

Supported Devices

The Excel 15 W7760B Building Manager recognizes and lists all LONMARK® compliant devices (nodes) on the LONWORKS® network. Full support is restricted to the devices listed:

- Excel 10 W7750A, B, C Constant Volume Air Handling Unit Controllers
- Excel 10 W7751B, D, F Variable Air Volume Terminal Unit Controllers
- Excel 10 W7751H, J Smart Actuators
- Excel 10 W7753A Unit Ventilator Controller
- Excel 10 W7761A Remote Input/Output Device
- Excel 15 W7760C Plant Manager

FEATURES

- Internet Network appliance with hard drive.
- Supports up to 120 Excel 10 and Excel 15 W7760C controllers.
- Self-discovery of devices (nodes) on the LONWORKS® network.
- Automatically creates a Device Status List (DSL).
- Automatically creates display pages for each supported Excel 10 and Excel 15 W7760C controller.
- Automatically configures Trends Log for supported Excel 10 and Excel 15 W7760C controller.
- Up to 100 user configured Trend Logs.
- Scheduling of Excel 10 devices and Excel 15 W7760C objects.
- Reports and logs alarm data.
- E-mails reports of alarm data.
- View Excel 10 and Excel 15 W7760C data, modify setpoints and command Occupied bypass.
- Real Time Clock (RTC) for time stamping with time synchronization.
- Multi-user access.

Real-Time Clock

- Calendar including leap years
- Automatic daylight savings adjustment.
- Day of Week
- Day of Month
- Internet time synchronization

Remote Equipment Monitoring and Control

- Internet, Local Area Network (LAN), and/or Wide Area Network (WAN), access to the supported control devices
- Requires no software monitoring tool in the local workstation
- E-mail notification on critical alarms



Time-of-Day Schedules

- Up to 120 Excel 10, Excel 15 W7760C, and/or T/Q7300
- 20 schedules:
 - master - primary schedule
 - follower - typically used for holiday and exception scheduling
 - shifted - typically used to offset from a primary schedule
- 20 weekly schedules:
 - 7 weekdays
 - 3 special “days” used with holiday scheduling
- 50 Holiday and exception schedules.
- 50 Temporary Schedules - override of regular schedule

Multi-level User Access

- Up to 100 users can be assigned
- User access level determines user capability
- Access levels:
 1. System Administrator
 2. Building Engineer
 3. Assistant Building Engineer
 4. Contractor
 5. Chief Operator
 6. Assistant Operator
 7. Tenant

Graphical Display of Devices

- View and change setpoints
- View data points
- Initiate occupied bypass

SPECIFICATIONS

Input/Output:

9 pin D Sub-9 male serial port.
RJ 45 10/100 LAN Ethernet port.
PCI EasyLon card (FTT-10A, MIP firmware, PCI Model P.P10204) from Gesytec with 2 pin terminal block for LONWORKS® network connection.

Communications:

The W7760A Building Manager uses a Free Topology Transceiver (FTT) to support a polarity-insensitive free topology wiring scheme for star, loop and/or bus wiring.
Each W7760B Building Manager can support up to 120 Excel 10 and Excel 15C controllers, allowing alarm capabilities.

Power Supply Requirements: An external AC Adapter, 12 Vdc, 3A to plug into standard USA grounded electrical outlet (Input: 100-240V, 50/60Hz, 1A; Output: 12VDC, 3A).

Create 20 Special Displays: Allows for a picture to be selected as the background and the placement of up to 20 data points, which will display the monitoring status.

Import of Graphic: Supports import of user-created graphics in either GIF or JPG format.

Alarm Management

- Device alarms: up to 120 Excel 10, Excel 15C, and/or T/Q7300
- 500 user defined alarms points - digital and/or analog
- 5,000 alarm records in the alarm database
- Alarm prioritization
- E-mail alarm notification:
 - Multiple alarm e-mail addresses segregated by priority

Trending and Log Files

- Up to 120 default trend logs
 - automatically generated for each Excel 10 and T/Q7300 on the network
 - 5,000 samples (records) per device trend log
- 100 user defined trend logs.
 - Up to 10 data points per log
 - Up to 10,100 samples (records) per user trend log

Setup

- Integrated utility for Ethernet setup
- Self-discovery for LONWORKS® network devices
 - Automatic graphic/text page creation for all supported devices
- Integrated utility for:
 - assigning users
 - creating user defined alarm points
 - configuring user defined trend logs
 - adding graphic/text pages

Internet Time Synchronization: Supports the automatic time synchronization with an Internet site of choice.

Environmental Ratings:

Operating Temperature: 41° to 98°F (5° to 37°C).
Shipping Temperature: -4° to 149°F (-20° to 65°C).
Relative Humidity: 10% to 85% noncondensing.

Mounting: Mount the Excel 15 W7760B Building Manager in a computer/network server room. Table/shelf mounting means the Excel 15B sits on a table or shelf. It is not strapped down. The Excel 15B can also be secured to a vertical surface by means of screws through “ear holes”.

Dimensions (H/W/D): Excel 15 W7760B Building Manager unit: Max: 3 x 9-3/4 x 10 in. (7.6 x 24.8 x 25.4 cm).

Approvals:

UL E143709 compliance
cUL Level 3 compliance
FCC, Class B (DOC) compliance
Complies CE EN55022 (1999), Class B. EN55024 (1999).
EN61000-3-2 (1995) = A14 (2000). EN61000-3-3 (1995)

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Honeywell

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