

Quick Installation Guide

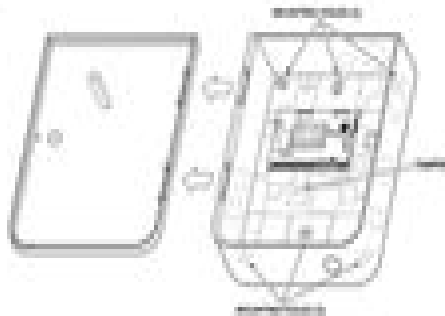
Mount the Control

- 1. Open the cabinet door fully and secure by pulling to the left.
- 2. Remove the cabinet brackets needed for wiring only.
- 3. Mount the control cabinet to a sturdy wall or a clean, dry area, which is not readily accessible to the general public, using fasteners or spacers (not supplied) with the four cabinet mounting holes.
- 4. Insert the ADTHYBWL 100-PH and 2-Wireless-wireless ADTHYBWL Communication Module (if used).
- 5. When installation, wiring and programming is completed, install the cabinet door and secure with the provided screws.



Securing the Cabinet Door

**OPTIONAL KEY LOCK:** If desired, a key lock can be installed (sold separately). See installation instructions for details.



Mounting the Cabinet

**OPTIONAL ADTHYBWL and ADTHYBWL Communication Module Note:** Refer to the Specific Module Installation section in the online Installation & Reference Guide for instructions on mounting the module.

Connect the Power Supply & Battery

**Power Supply (P/N 600-10211 or 600-10211-CA for Canada)**

- Do not plug power supply into the AC outlet until all wiring connections to the control are complete. As a safety precaution, always power down the control when making such connections.

**Battery Connections**

- After all connections to the control are completed and after AC power has been applied, connect the red and black flying leads on the control board to the battery.
- **IMPORTANT:** This control will not power-up on battery alone (AC power must be applied). However, once the system is powered up, it will operate on battery if AC is lost.

**CALIFORNIA STATE FIRE MARSHALL (CSFPM) AND CA RESIDENTIAL FIRE ALARM BATTERY BACKUP REQUIREMENTS**

The California State Fire Marshall and CA, have regulations which require that all residential fire alarm control panels must be provided with a backup battery which has sufficient capacity to operate the panel and its attached peripheral devices for 24 hours in the intended standby condition, followed by at least 4 minutes in the intended fire alarm operating condition. This control panel can meet these requirements without using a supplementary power supply, provided that the panel's auxiliary power and full output currents are limited as listed.

Connect the Power Supply & Battery (Continued)

**UL:** For UL installations and Residential fire installations, refer to the chart below for the correct battery size required to meet the mandatory standby time.

**OUTPUT LIMITATIONS AND REQUIRED BATTERIES**

Output Current Limits		Battery Information	
Current Total	Max. Avg. Current	Battery Capacity (amp-hours)	Battery Type (Volts)
100mA (maximum value of auxiliary power plus full output current)	100mA	100	12V

Connect Devices, Zones and Sounder

Refer to the Wiring Diagram on the reverse side for connection information. **NOTE:** The system uses a range of reserved addresses for each type of device.

**1. Connect Keypads and other devices**

Total Current of All Devices Connected to a Single Wire Run					
Wire Size	Max. # of Wires	Max. # of Wires	Max. # of Wires	Max. # of Wires	Max. # of Wires
14	10	10	10	10	10
16	10	10	10	10	10
18	10	10	10	10	10
20	10	10	10	10	10
22	10	10	10	10	10
24	10	10	10	10	10

The length of all wire runs to each partition connected must not exceed 200 feet (61m) when calculated per conductor rules in code. In (200 feet (61m)) if shielded cable is used.

- Do not locate the keypad or transmitters on or near metal objects. This will decrease range and/or block transmissions.
- Do not locate in an area of high RF interference (indicated by frequent or prolonged lighting of the receiver's LED; random flicker is OK).
- Do not locate RF receiver closer than 10 feet from any keypad.

**Keypads (P/N 600-10211)**

- Connect four-wire field wiring to the GND, AUX, A and B terminals.

**Relay Modules**

- Connect twisted field wiring to the module's relay contact terminals (when available).

**Communication Module (refer to the documentation provided with the module.)**

- 1/2 (1/2) 12 Gauge
- 100V-100V (ADTHYBWL)

**2. Connect hardware zones to the appropriate zone terminals**

**3. On Board Trigger Connections**

- Connect field wiring to the appropriate trigger pin using the 4 wire cable (field kit, not supplied).
- Trigger outputs will go low or pulse up.

**4. Connect the external sounder to the GND and BELL terminals**

- If not using full expansion, connect the supplied 100-ohm resistor across the GND and BELL terminals. If using full expansion, use the next field point.
- If expanded output desired, see Sounder Supervision wiring diagram on reverse side, and program accordingly.

**5. Install Wireless Zone Transmitters (Programmed to alarm zone)**

Program the Control

Refer to the ADT MobileTech installer app for programming instructions.

Test the System

Refer to the ADT MobileTech installer app for testing instructions.

Major Features and Capacities

Feature	Details
Partitions	4
Hardware Zones	4 (1, 2 and 3 are dedicated alarm zones)
Maximum Devices	250 Devices (includes sensors, keypads, keyfobs, touch screens, 2-Wire, Bluetooth for mobile devices, cameras and wireless) <ul style="list-style-type: none"><li>• 128 60K Series sensors</li><li>• 32 Keyfobs (2 battery)</li><li>• 8 Bluetooth (BLE) Phones</li><li>• 8 Touchpoints Touchscreens</li><li>• 8 Motion Detectors</li><li>• 100 2-Wire Devices</li><li>• 100 1/2 W. Cameras</li></ul>
Security Zones (Zones)	16 (includes Motion (Zone 1))
Outputs	16
On-board Triggers	2

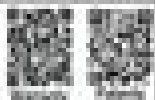
Specifications

<b>Dimensions:</b>	10.125" W x 13.125" H x 3.125" D (Mount a 3/4" stud in Mount)
<b>Electrical:</b>	
Voltage Input	16-16VDC, 1.5A from plug-in power supply, Part No. 600-10211 or 600-10211-CA for Canada
Alarm Sounder	100-100VDC, 2.0-Amp output can drive 100 Bell or 100 100-100VDC, 2.0A max.
Auxiliary Power Output	100VDC, 1.5A (peak load and spec) Charging Voltage
Backup Battery	12VDC
Communication Format	4-Wire (Control 1)
Maximum Zone	Zones 1-4 = 100 zones including 100K standard zones
Accessories	

**WARRANTY INFORMATION**

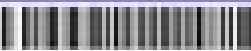
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FOR DOCUMENTATION AND SUPPORT

See Installation and Reference Guide P/N 600-10125 or higher, which can be ordered by contacting Customer Service at 1-800-228-2727 (1-800-ADT-ASAP). For technical support please call the ADT Product Support Group at 1-877-748-7668, option 3.



600-24126 2/16 Rev. A, Part 1 (BETA)



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Boca Raton, FL 33433  
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# Adt Installation Guide

**ASTM International, American Society  
for Testing and Materials**

A red circular graphic with a gradient, appearing as a partial circle or a thick curved line, located to the right of the ASTM text.

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IBM Midrange System Storage Implementation and Best Practices Guide Sangam Racherla,Bruce Allworth,Alessio Bagnaresi,Chris Bogdanowicz,Corne Lottering,Pablo Pedrazas,Frank Schubert,John Sexton,Alexander Watson,IBM Redbooks,2010-03-31 This IBM Redbooks publication represents a compilation of best practices for deploying and configuring IBM Midrange System Storage<sup>TM</sup> servers which include the DS4000 and the DS5000 family of products This book is intended for IBM technical professionals Business Partners and customers responsible for the planning deployment and maintenance of the IBM Midrange System Storage family of products We realize that setting up DS4000 and DS5000 Storage Servers can be a complex task There is no single configuration that will be satisfactory for every application or situation First we provide a conceptual framework for understanding the hardware in a Storage Area Network Then we offer our guidelines hints and tips for the physical installation cabling and zoning using the Storage Manager setup tasks After that we turn our attention to the performance and tuning of various components and features including numerous guidelines We look at performance implications for various application products such as DB2 Oracle Tivoli Storage Manager Microsoft SQL server and in particular Microsoft Exchange with IBM Midrange System Storage servers Then we review the various tools available to simulate workloads and to measure collect and analyze performance data We also consider the AIX environment including High Availability Cluster Multiprocessing HACMP<sup>TM</sup> and General Parallel File System GPFS<sup>TM</sup> Finally we provide a quick guide to the storage server installation and configuration using best practices This edition of the book also includes guidelines for managing and using the DS4000 and DS5000 with the IBM System Storage SAN Volume Controller SVC

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MOS 45N Tank Turret Mechanic, Skill Level I ,1984

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Approval Guide ,1995

IBM System Storage DS5000 Series Implementation and Best Practices Guide Sangam Racherla,Matus Butora,Antonio Dell'Apa,Mario Ganem,Corne Lottering,Libor Miklas,Hrvoje Stanilovic,Alexander Watson,IBM Redbooks,2012-12-21 This IBM Redbooks

publication represents a compilation of best practices for deploying and configuring the IBM System Storage DS5000 Series family of products This book is intended for IBM technical professionals Business Partners and customers responsible for the planning deployment and maintenance of the IBM System Storage DS5000 Series family of products We realize that setting up DS5000 Storage Servers can be a complex task There is no single configuration that will be satisfactory for every application or situation First we provide a conceptual framework for understanding the hardware in a Storage Area Network Then we offer our guidelines hints and tips for the physical installation cabling and zoning using the Storage Manager setup tasks Next we provide a quick guide to help you install and configure the DS5000 using best practices After that we turn our attention to the performance and tuning of various components and features including numerous guidelines We look at performance implications for various application products such as IBM DB2 Oracle IBM Tivoli Storage Manager Microsoft SQL server and in particular Microsoft Exchange server Then we review the various tools available to simulate workloads and to measure collect and analyze performance data We also consider the IBM AIX environment including IBM High Availability Cluster Multiprocessing HACMP™ and IBM General Parallel File System GPFS™ This edition of the book also includes guidelines for managing and using the DS5000 with the IBM System Storage SAN Volume Controller SVC and IBM Storwize V7000

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