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**AEXX-349 SERIES**  
**REMOTE DISPLAYS**

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**AEXX-349 SERIES REMOTE DISPLAYS**  
**REV 09/18/00**

**DESCRIPTION**

AEXX-349 Series Remote Displays are available with 1", 2.3", 4", 8", or 12" high digits, visible from 5 feet to 500 feet away. They are available in 2, 3, 4, 5 and 6 digit versions, depending on the digit size ordered. The Remote Displays are intended to be connected to any AE Series Master Clock or any AE Device which has Option 348 (Master/Driver) installed. They will display whatever is being displayed on the master; including time, elapsed time, or any display messages.

This manual covers all AE Series displays from two digits to six digits, including two-sided versions with the Remote Display option (349) installed. To simplify the manual the term "AE Device" may be used to cover any of the specific models.

The model numbers of the AEXX-349 Series are derived from the digit size and the number of digits in the display, followed by the 349 suffix. For example the AE24-349 is 2.3 inch, four-digit display and the AE126-349 is a twelve-inch, six-digit display. For two-sided versions, the model number would have /2. For example: AE84/2-349 would be the model number for a Two-Sided, Eight Inch, Four Digit, Remote Display. Each AE Display can be configured in a number of ways. Some will have different enclosures including wall mount, rack mount, two sided wall or ceiling mount, and NEMA type enclosures for all applications. For your specific model number and hardware configuration refer to the drawings at the back of this manual.

The AE Series Remote Displays are configured from standard modules to provide specific size, number of digits, color, brightness, enclosure type, mounting, wiring, and power requirements.

See drawing at the back of this manual for your specific configuration.

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**SPECIFICATIONS**

Digits:	1, 2,3, 4, 8 and 12 Inch High, Seven Segment Digits are available. For additional digit specifications, see the drawings at the back of this manual for your specific model.
Number of Digits:	Models are available with 2, 4 or 6 digits. See the drawings at the back of this manual for your specific model.
Function:	Receives clock and data signals from any AE Series Master Clock via a three-conductor cable. Displays what is being displayed by the Master; including time, elapsed time, or any display messages. Unit will be blank if not connected to a suitable master.
Power:	120 VAC – The power required varies with the size and number of digits. Optional power includes 50 HZ, 12 VAC, 12 to 15 VDC and 220 VAC.
Accuracy:	Accuracy is dependent on the AE Series Master Clock as follows: With AC power applied – Synchronous with the AC line. On battery back up - .005% Crystal time base.
Battery standby:	No battery back up is required. Back up timing is provided by the master.
Operating Temperature:	0 to 50 Degrees C
Enclosure:	Black anodized aluminum with .118" thick red acrylic lens. The back panel is .125" thick black, ABS plastic. The size varies with the size and number of digits. See the drawings at the back of this manual.  A 1210-0101 mounting bracket is provided for wall mounting to a single or double gang box. <u>Optional enclosures are available.</u>
Wiring:	Clearly labeled, pigtail lead wires (#18 AWG) are provided. Optional terminal blocks, power cords, and connectors are available.
Options:	There are numerous options available for the AEXX-349 Series Remote Display. Some include: (2) Two Sided Version, (376) Relay Output, and (PC8) Add 8 FT. Power Cord. When options are ordered, supplemental information is provided with addenda and additional drawings.

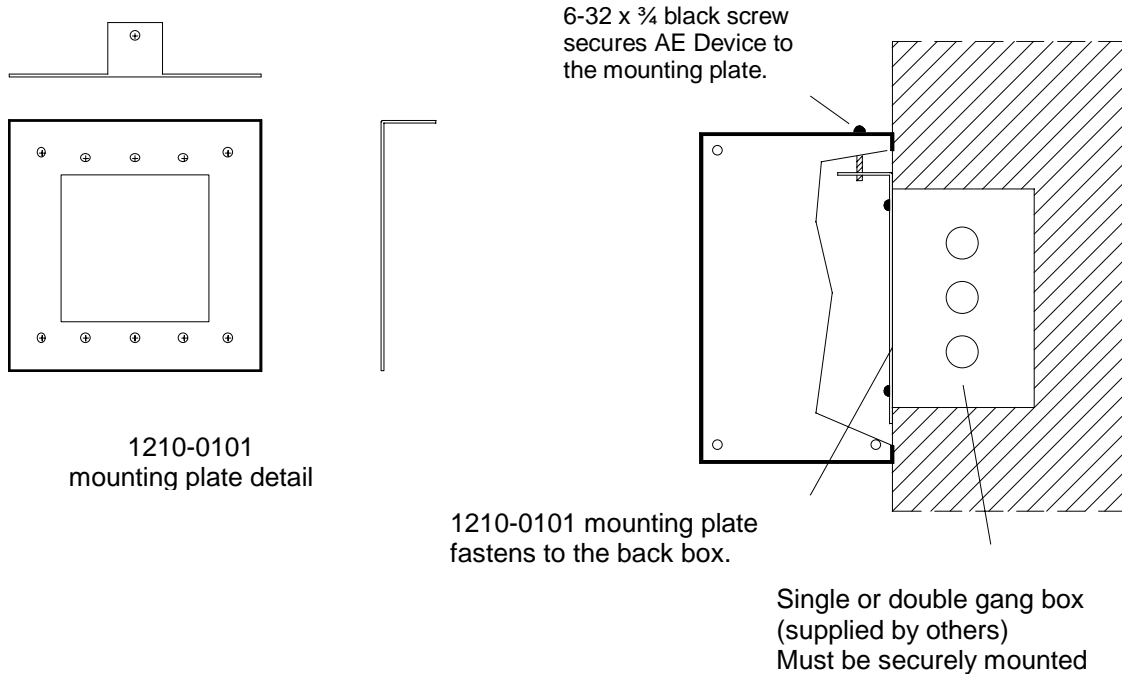
***For all other options refer to the drawings at the back of this manual for additional specifications.***

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**INSTALLATION**

**MOUNTING**

The AE Series Displays can be mounted in a variety of ways. Things to consider for mounting include ambient light, viewing area, ambient temperature, dirt or dust. Most models are supplied with one or more 1210-0101 mounting brackets for wall mounting to a single or double gang box. See the detail below. For other mounting options, such as ceiling mounts or double-sided mounts, refer to the specific drawings.



**WIRING**

There are many wiring configurations for the AEXX Series Remote Displays, depending on the functions used and the options installed. On most units the AC power has been pre-wired and clearly labeled pigtail leads are provided at the back panel for termination in a single or double gang box as shown above. Some models come with AC power cords or 12 VAC power modules. These can be plugged into a standard 120 VAC outlet. For any other power configurations, refer to the specific wiring diagrams provided.

On most standard units, clearly labeled pigtail leads wires are provided for the power at the back panel of the unit. Labeled pigtail leads for the clock (WHT/GRN), data (WHT/BRN), and ground (BLK/RED) synchronous inputs are provided at the back panel for termination in single or double gang box as shown above. For any other signal configurations, refer to the specific wiring diagrams provided at the back of this manual.

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**OPERATION**

Before applying power, be sure all wiring is completed. Apply power to the unit. The displays will rotate during the power on self-test and then a version number will appear for a few seconds. The display will then show whatever is being displayed by the AE Series Master Clock. If it is not connected to a suitable master, the display will be blank.

**TECHNICAL SUPPORT**

For any questions concerning installation and operation of this product, contact our factory at:

**PHONE (800) 444-7161**  
**OR**  
**FAX (318) 797-4864**

**SERVICE POLICY**

It is recommended that all service for this product be done by the factory or by a factory authorized service representative. Applied Technical Systems will provide ongoing service support in and out of warranty. Send your repairs to:

**APPLIED TECHNICAL SYSTEMS**  
**815 KING PLACE**  
**SHREVEPORT, LA 71115**

**APPLIED TECHNICAL SYSTEMS**  
**WARRANTY POLICY**

ATS warrants its products to be free of defects in material and workmanship for a period of 24 months from the date of purchase. ATS will repair or replace any product returned to its authorized factory service center within the warranty period so long as there is no evidence that the product has been abused, misused, damaged by lightning, overloads of any kind or water, or altered in any way.

Products returned for warranty must be returned with freight prepaid. ATS will pay normal freight charges to return the product to the customer. Special premium freight requested by the customer will be charged to the customer.

ATS disclaims any warranties expressed or implied, including merchantability and/or fitness for a particular purpose. In no event shall ATS be held liable for incidental or consequential damages.