



AEXX-539 SERIES

STAND-ALONE

DAY COUNTER DISPLAY

AEXX-539 SERIES STAND-ALONE DAY COUNTER DISPLAY
REV 10/10/13

DESCRIPTION

AEXX-539 Series Stand-Alone Day Counter Displays automatically count days up or down. Built-in controls allow the user to preset any starting Day Count and the time of day. Some applications include: Count Up Accident Free Days, Count Up Days from an event, Count Down Days Until Project Completion, display Julian Date.

Standard models have four digits, but they are available in 5 and 6 digit versions as well. They are available with 1", 2.3", 4", 8", or 12" high digits, visible from 5 feet to 500 feet away.

This manual covers all AEXX-539 Series Displays including Bezel Mount and custom configured versions. 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. To simplify the manual the term's "Display" may be used to cover any of the specific models.

SPECIFICATIONS

Function:	Counts Days up or down from a preset Day Count. Uses a built-in presettable 24 hour time of day clock for changing the Day Count automatically as the clock passes through Midnight (0000 Hours)
Controls:	Standard units have built-in controls, located on the top panel, for setting the Day Count and Time of Day.
Accuracy:	Synchronous with the AC power line when power is applied. On battery backup a 0.005% crystal time base is used. Operating temperature is 0 to 50 Degrees C.
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 4, 5 or 6 digits. See the drawings at the back of this manual for your specific model.
Power:	The power required varies with the size and number of digits. Standard models with 4-Inch digits require 12 VAC power. A 120 V to 12 V power module (with 6 foot cable) is included. Optional power includes 50 HZ, 12 VAC, 12 to 15 VDC and 220 VAC. Also available is our 9110-2202 6 foot power extension.
Battery standby:	Self-charging, Ni-Cad.
Standard 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.

AE44D-539, standard 4-Inch model, measures – 24"W x 14"H x 3.5"D

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REV 10/10/13

A 1210-0101 mounting bracket is provided for wall mounting to a single or double gang box.

Optional enclosures are available, such as NEMA 12, NEMA 4X, two sided, bezel mount and flush mount. See the drawings at the back of this manual for more details.

Wiring: Plug-in power module is standard – no wiring is required. Clearly labeled, pigtail lead wires (#18 AWG) are provided on hard wired versions. Optional terminal blocks, power cords, and connectors are available.

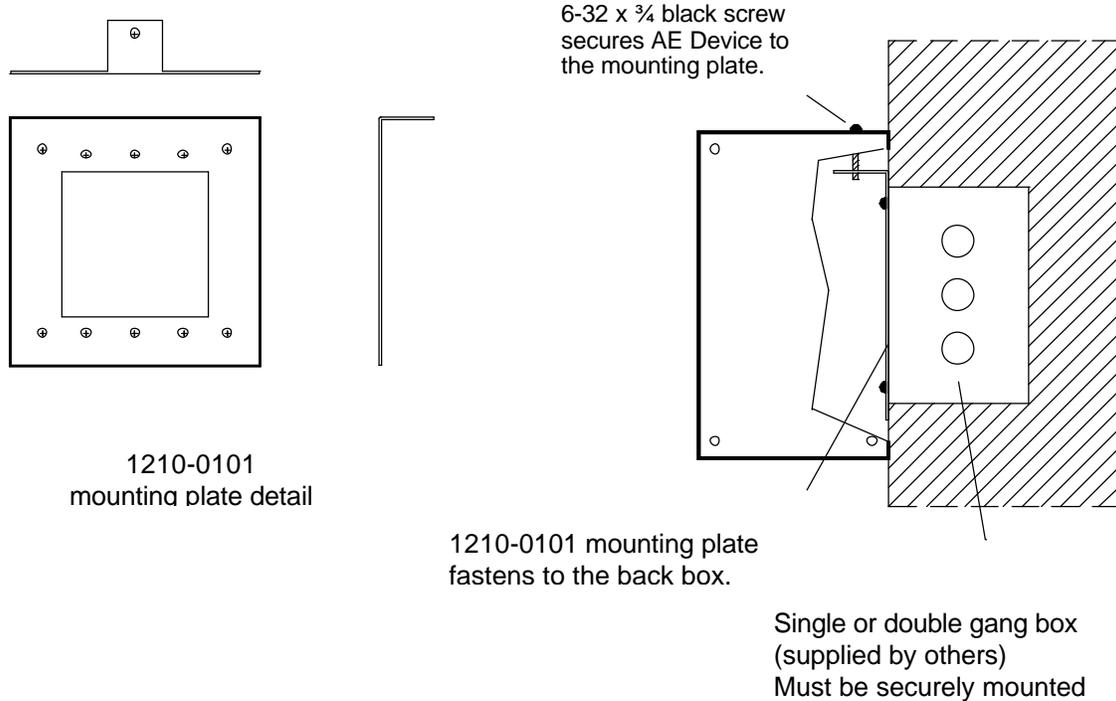
Options: There are numerous options available for the AEXX-539 Series Day Counter Displays Some include: (/2) Two Sided Version, (348) Master/Driver Output, (376) Relay Output, and (PC8) Add 8 FT. Power Cord. When options are ordered, supplemental information is provided with addenda and additional drawings.

AEXX-539 SERIES STAND-ALONE DAY COUNTER DISPLAY
REV 10/10/13

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. Hard-wired 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, depending on the functions used and the options installed.

On most standard units, a plug-in power module is provided. Therefore no wiring is required. On hard-wired models clearly labeled pigtail leads wires are provided for the power at the back panel of the unit. For other options see the addendum sheets provided for that option. Also, see the wiring diagrams for more detail at the back of this manual.

AEXX-539 SERIES STAND-ALONE DAY COUNTER DISPLAY
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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 show all 0's for the Day Count. If a charged battery is installed, the self-test will be bypassed and the Display will show the previously programmed Day Count in progress.

PRESETTING THE DAY COUNT AND TIME OF DAY

Before you preset the Display, set the Up/Down as desired. Up counts up Days, Down counts down Days.

To preset the Display set the SET/RUN switch to the SET position. The first digit will start flashing. Using the INCREMENT switch, set the desired value for the first digit of the Day Count, then press ENTER. The next digit will then start to flash. Set it to the desired value in the same manner as you did the first digit. Continue this procedure for the remaining Day Count digits. After the last Day Count digit is entered the Display will prompt for the time of day. The hours digits will start to flash.

Time must be entered using 24-Hour format (sometimes called military time). Using the INCREMENT switch, set the desired value for the hours, then press ENTER. The minutes' digits will now be flashing. Set the desired minutes the same way, and then press ENTER. The display will then flash dONE. Set the SET/RUN switch back to the RUN position. The internal clock will begin keeping time at the instant you set the switch back to run. The Display will show the Day Count, just entered.



Built-in Controls - Top panel of enclosure

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
849 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.

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