

UP / DOWN COUNTERS

AE SERIES - OPTION 483



COUNT PRODUCTION, SUBTRACT REJECTS

VISIBLE FROM 5 FEET TO 500 FEET AWAY...

AVAILABLE FOR ALL 2, 3, 4, 5, AND 6 DIGIT *AE SERIES* DISPLAYS.

EASILY CONNECTS TO A VARIETY OF INPUT DEVICES INCLUDING:

PUSH BUTTON SWITCHES, PHOTO-ELECTRICS, LIMIT SWITCHES, AND PLC'S.

ISOLATED INPUTS - ALLOWS FOR LONG WIRE HOOKUP.

ADAPTS TO ALL TYPES OF SIGNALS SUCH AS:

DRY CONTACTS, TTL, 6V to 120V DC PULSES, OR 12V to 120V AC SIGNALS.

RETAINS COUNT ON POWER OUTAGES,

PROVIDES 12 TO 15 VDC OUTPUT TO POWER SENSORS.

SELECTABLE LEADING ZERO BLANKING.

OPTIONAL MASTER / DRIVER OUTPUT FOR MULTIPLE DISPLAY SYSTEMS

AE SERIES DISPLAYS ARE AVAILABLE WITH 1", 2.3", 4", 8", AND 12" HIGH DIGITS.

TWO YEAR WARRANTY



**APPLIED
TECHNICAL
SYSTEMS**

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DESCRIPTION

Option 483 provides two low speed (up to 25 HZ) counter inputs (UP and DOWN) for the AE Series of Process Indicator Displays. They are available in 2, 3, 4, 5, and 6 digit versions with digit sizes ranging from 1 inch high to 12 inches high. Standard signal inputs include: Dry Contacts from limit switches, proximity detectors, or relays; DC Voltage Signals from PLC's, TTL Outputs (NPN or PNP) from instruments and detectors; and AC Voltage Signals from PLC's or other control equipment. The opto-isolated inputs allow the controls to be up to 1000 feet away from the display. RESET requires a dry contact. Other features include: Leading Zero Blanking, Sensor Power Output, and Custom Configurations.

For multiple display systems, the Master/Driver Option (348) can be added. This option allows you to connect up to 40 remote displays to the AE Series Process Indicator for displaying the same variable in many locations.

SPECIFICATIONS

Maximum Count: The range is from -99999 to 999999 for a six-digit version, and from -99 to 999 for a three-digit version. A (-) sign appears to the left of the count when the count goes negative.

Count rate: Up to 25 pulses per second.

Count Inputs: Both the Add and Subtract Signal Inputs can handle DC pulses ranging from 12V to 120V in amplitude. However, the pulse width must be greater than 20 milliseconds.

The Count Inputs can be jumpered for dry contact closure input. See the wiring diagram at the back of this manual. AC Count Inputs are optional (12V to 120V AC pulses at a maximum rate of 5 pulses per second).

Reset Signal: Dry contact closure, only.

Output: A 12-15 VDC (50 MA max.) output is provided to power small sensors.

Digits: 1, 2, 3, 4, 8 and 12 Inch High, Seven Segment Digits are available. Models include 2, 3, 4, 5 and 6 digit versions.

Power: 120 VAC – The power required varies with the size and number of digits. Optional power includes 50 HZ, 12 VAC, 24 VAC, 12 to 15 VDC and 220 VAC. Battery standby: Self-charging, Ni-Cad.

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. A 1210-0101 mounting bracket is provided for wall mounting to a single gang, double gang, or 4-inch box.

Optional enclosures are available.

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-483 Series Up/Down – Counter/Totalizers. Some include (/ 2) Two Sided Version, (348) Master/Driver Output, and (PC8) Add 8 FT. Power Cord.

FOR ASSISTANCE CALL 800-444-7161