



# Series 90 Annunciator

FOR PETROLEUM, PETROCHEMICAL, POWER GENERATION AND OTHER  
PROCESS INDUSTRIES



## ANNUNCIATOR

AMETEK's Series 90 annunciator is the most widely used annunciator in the process industry. This annunciator offers the system designer and its user the advantage of connecting dry contacts, wetted contacts, solid state devices and analog sensors directly to the unit. Select from flush panel mounting; wall mounting and split architecture type hardware for the physical installation. A wide variety of sizes of alarm window viewing area are also offered to meet the user HMI requirement. All published ISA alarm sequences, plus more, are available to meet the specific user application. Specify the primary source voltage to the system along with the field contact voltage or analog sensor, output option such as retransmit relays, group alarm relays or reflash relay(s), type of horn and push buttons and you have successfully configured the best recognized brand annunciator in the world, AMETEK's Series 90.

AMETEK's Series 90 annunciator can be found providing dedicated annunciation in the world's largest and smallest petrochemical and petroleum manufacturers plants as part of the alarm and safety shutdown systems. This unit is used in a control room complementing the control system or monitoring a local process in the field.

From the generator floor to the switch yard of a power generating station you will find AMETEK's Series 90 annunciator monitoring the sensors that measure the variables of the turbines, generators, fuel system, fans, and breakers.

Safety and swift alarm notification to an operator are important to the owners and operators of all process plants in all industries. Pharmaceutical, paper and pulp, food processing and packaging, water treatment, water distribution, gas distribution, mass transportation, weapons manufacturing, automotive vehicle and parts manufacturing facilities and others need reliable monitoring of their process variables through dedicated annunciation!



## FEATURES AND BENEFITS

- Provides dedicated annunciation
- UL Listed
- Approved for use in Class 1 Div, 2 applications
- Six sizes of alarm window to choose from
- Accepts digital and analog field inputs
- Mounting styles available for all applications
- Years of field proven reliability

**AMETEK**<sup>®</sup>

**POWER  
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*Experience the Power™*

## SPECIFICATIONS

### Input Power Source

- 120 VAC, 220 VAC, 125 VDC or 24 VDC

### Window Colors

- White, red, yellow and green

### Legends

- Engraved ink filled text

### Illumination

- Incandescent lamps or LED

### Field Termination

- #6-32 screw
- Wire lugs up to 5/16" wide

### Flush Mount Cabinet

- 16 gauge steel painted black

### Agency Approvals

- UL 2017 General Purpose Signaling Devices and Systems
- FM Approved Class 1 Div. 2, Groups A, B, C & D
- CE

### EMC Compliance

- ANSI/IEEE C37.90-1978 (SWC)
- SAMA PMC 33.1-1978, Class 2, Bands b & c (RFI)

### Environmental

- Storage: -40° to 185°F (-40° to 85°C)
- Operating: 32° to 122°F (0° to 50°C)
- Humidity: 10 to 95% RH (non-condensing)
- NEMA 12, 4 and 4X enclosures optional

### Series 90 Ordering Information

TYPICAL MODEL NUMBER (coded by color)

9 4 CA 3 5

#### Code Description

Series 90

#### Number of Terminal Blocks

4 4 TB's per module

#### Annunciator Cabinet, Variation

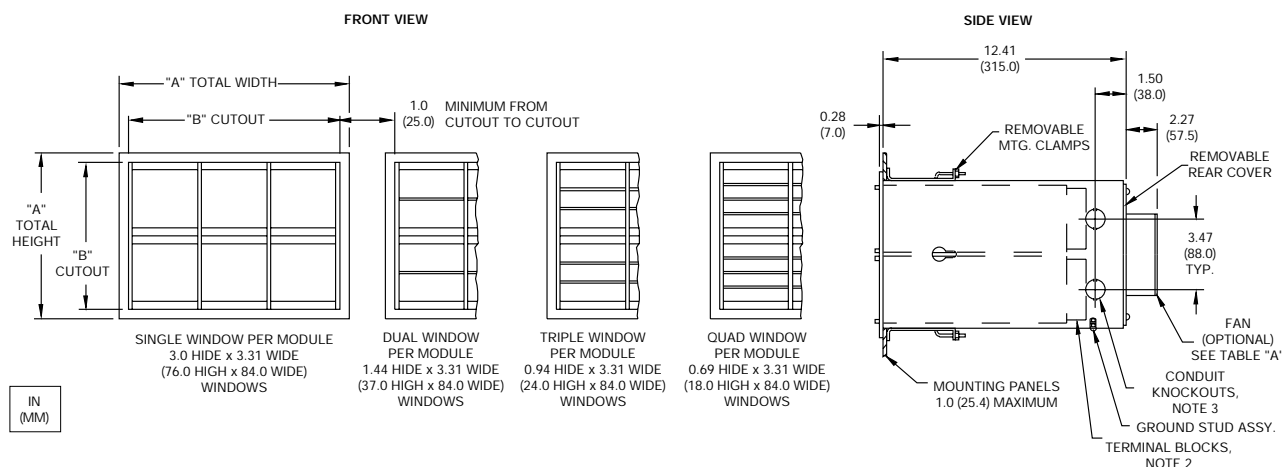
CA Flush Mount

#### Module Rows High

1 to 10

#### Module Columns Wide

2 to 10



CABINET SIZE		"A" DIMENSIONS	"B" -0 DIMENSIONS
MODULE ROWS HIGH	MODULE COLUMNS WIDE		
1	-	5.0 (127.0)	4.06 (103.0)
2	2	8.47 (215.0)	7.53 (191.0)
3	3	11.94 (303.0)	11.0 (279.0)
4	4	15.40 (391.0)	14.47 (368.0)
5	5	18.88 (479.0)	17.94 (456.0)
6	6	22.34 (568.0)	21.41 (544.0)
7	7	25.81 (656.0)	24.88 (632.0)
8	8	29.28 (744.0)	28.34 (720.0)
9	9	32.75 (832.0)	31.81 (808.0)
10	10	36.22 (920.0)	36.28 (896.0)

WINDOW ENGRAVING CHART			
WINDOW STYLE	CHARACTER SIZE HIGH (APPROX.)	MAXIMUM LINES PER WINDOW	MAXIMUM CHARACTER AND SPACES PER LINE
SINGLE ROW	12-1-3 / 0.28	6	12
DUAL ROW	12-1-4 / 0.22	4	16
TRIPLE ROW	12-1-5 / 0.19	3	22
QUAD ROW	12-1-6 / 0.16	3	26

#### NOTES:

1. ALL DIMENSIONS ARE IN INCHES WITH CORRESPONDING MILLIMETER DIMENSIONS IN PARENTHESES.
2. TERMINAL BLOCKS ARE WIRED FROM REAR.
3. 1.10 INCH (28.0) KNOCKOUT (0.75 CONDUIT) ONE EACH SIDE FOR EACH ROW HIGH AS SHOWN AND ONE EACH ON TOP AND BOTTOM FOR EACH COLUMN WIDE (NOT SHOWN).
4. STANDARD WINDOW NAMEPLATES ARE WHITE TRANSLUCENT POLYCARBONATE WITH ENGRAVED BLACK FILLED CHARACTERS PER CHART.
5. LAMPS ARE ACCESSIBLE REMOVING SNAP-OFF WINDOW NAMEPLATES.
6. PLUG-IN ALARM CARDS ARE ACCESSIBLE BY REMOVING PULL-OUT LIGHTBOX ASSEMBLIES.
7. MODULE ROWS HIGH AND MODULE COLUMNS WIDE REFERS TO THE MODULES, NOT THE INDIVIDUAL WINDOWS.



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