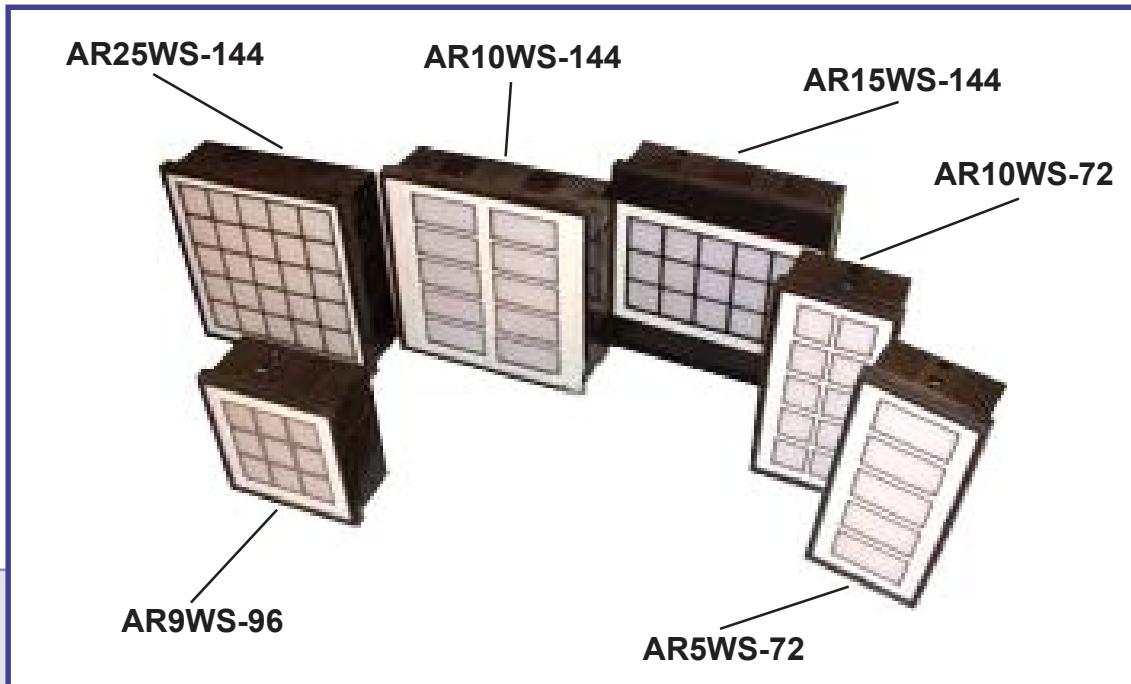


# ARWS Series Alarm Annunciator

## Ultimate Flexibility and Reliability



The ARWS Series is a range of full function, flexible and reliable alarm Annunciators designed to fulfill all the requirements of applications with limited Alarm points. All popular configuration options are configurable by switch settings with no software required and large range of options can be supplied in addition to the standard unit.

The “No Master Module” philosophy design gives you exceptional flexibility, reliability and programmability.

Display legends for the backlit displays can be created by the user on any standard printer.

The aluminum encasing allows for the best available heat dissipation ability, and at the same time affords a luxury appearance.

- Remote Logic Controller
- 5,9,10,15, or 25 Windows Per Unit
- Full Function, Flexible and Reliable
- No Master Module ( insuring no single point failure)
- Remote Logic Controller
- Common and Auxiliary Relays
- Field Programmable
- Alarm sequence to ISA-S18.1
- 4 different Colors of Long Life LEDs (White, Red, Yellow, Green)
- Low Cost and Reliable



## Features

### No Master Module

Reliability is the first and the most critically important feature for any safety alarm annunciation application. The ARWS Series Annunciator uses a unique solution to provide unparalleled reliability. Unlike microprocessor controlled systems, the ARWS Series Annunciator does not have a master module, hence no signal source of system failure possible.

### Number of Windows, Model# and Dimensions

Model #	No. Of Windows	Cabinet Size (mm)
L5W-72	5	72x144mm
L9W-96	9	96x96mm
L10W-72	10	72x144mm
L10W-144	10	144x144mm
L15W-144	15	96x144mm
L25W-144	25	144x144mm

### Inputs

Inputs are generally normally open or normally close voltage free contacts or voltage input through an Opto-coupler, configurable by jumper settings for each alarm point. Option of voltage input from field, PLC or personal computer can be supplied with contact voltages of 24, 48, 110, 220 (AC or DC voltages).

### Shallow Depth

The display part of unit is 68mm deep, only a fraction of regular Annunciators.

### Outputs

System Supports the following outputs:

- Display Output
- Audio Output
- Auxiliary Output
- Common Alarm Output
- First\_Up Output

### Power Supply

A nominal 24VDC power supply is required to run the Annunciator system. This can be an unregulated supply (19 to 30VDC) and there is no need for transient suppression.

### Push Buttons

The system supports all push buttons necessary for different operating sequences. The available push buttons are: "Acknowledge", "Reset", "Test" and "Mute".

### Auxiliary Relays

Each alarm point can be supplied with an individual repeat relay. The repeat relays can be set to follow the inputs or outputs. NO and NC contacts are available for each repeat relay.

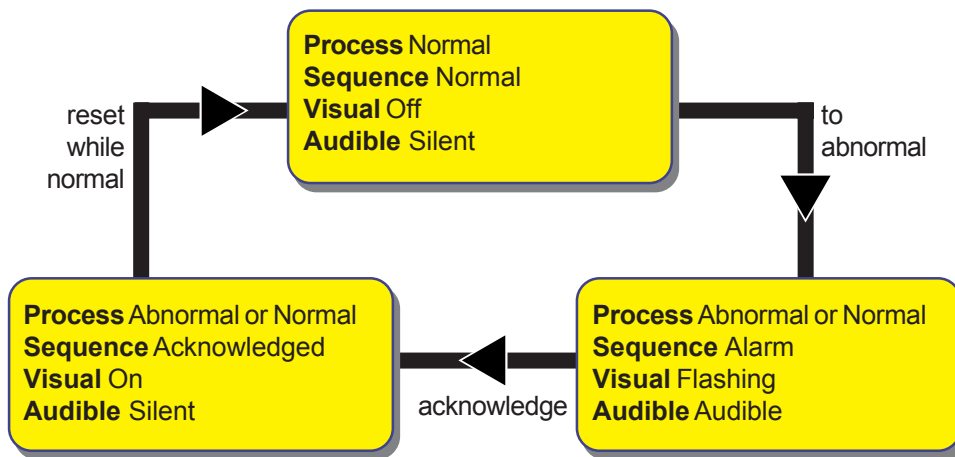
### Service

No special tools are required for changing the operating sequence and the configuration.

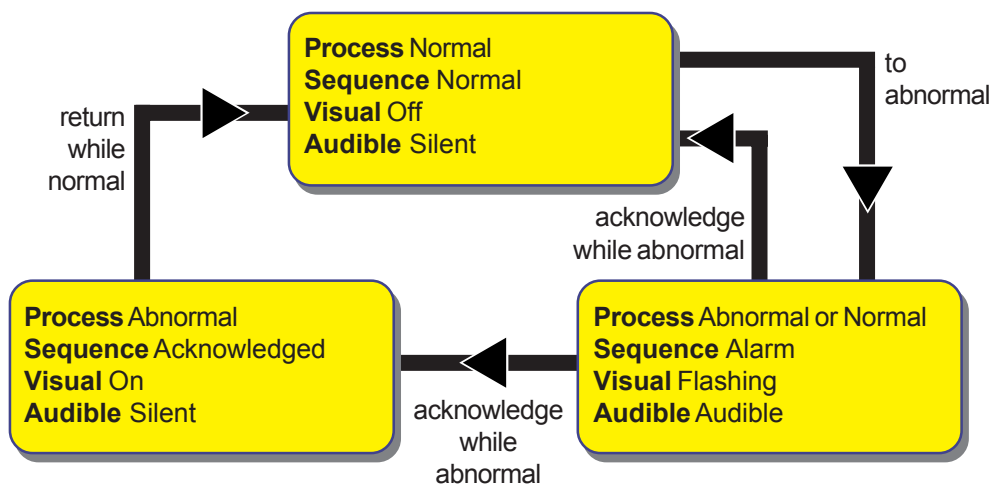
## Alarm Sequences

Each alarm channel can be configured to suit the operating sequence required as listed in the ISA publication *Annunciator Sequences and Specification S18.1, 1979*. All systems can be configured with different features on different alarm ways. Available Sequences on standard ARWS (Field Selectable) are “Manual Reset”(M), “Auto Reset”(A), “Manual Reset First Out (F2M-1)” and “Auto Reset First Out (F1A)”. Other sequences need special order.

### Manual Reset / Sequence code M

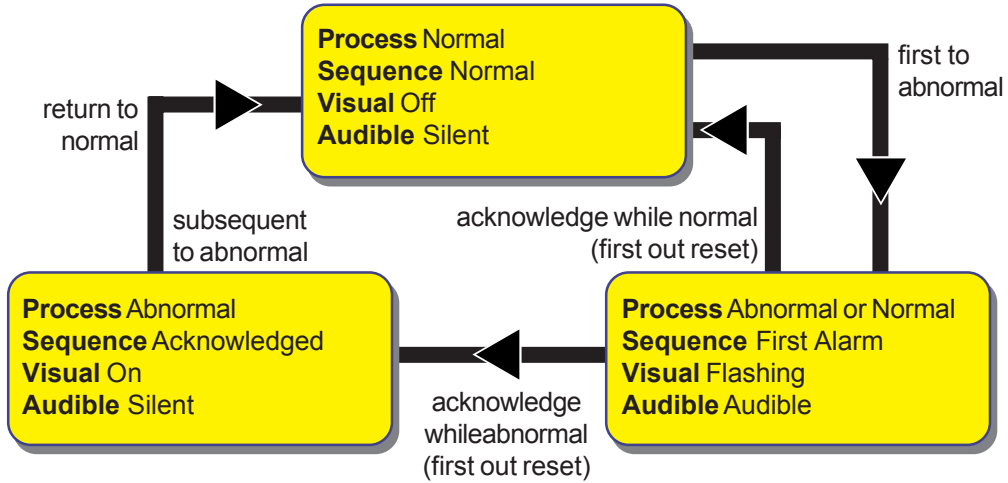


### Auto Reset / Sequence code A



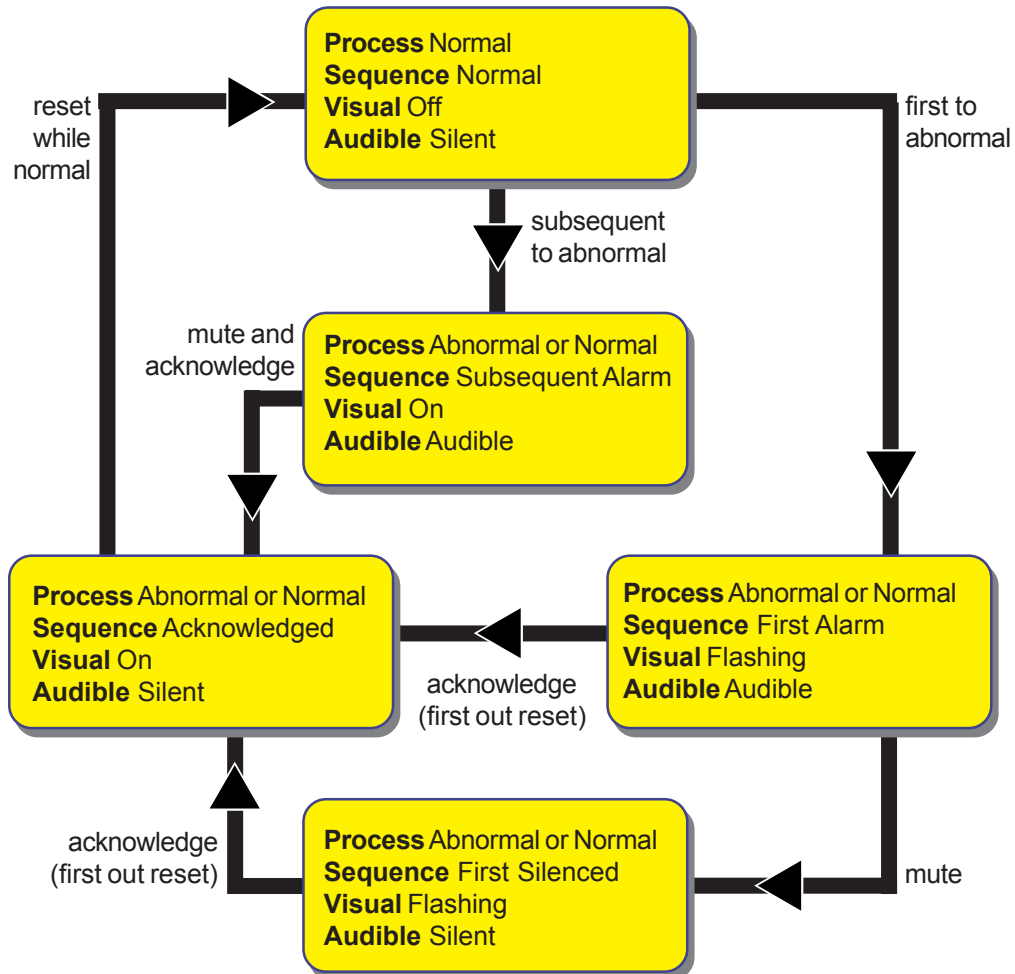
**Automatic Reset First Out / Sequence F1A**

With No Subsequent Alarm State



**Manual Reset First Out / Sequence F2M-1**

With No Subsequent Alarm  
Flashing and Silence Pushbutton



## Specifications

- Alarm Channels (Windows): 5, 9, 10, 15, 25
- Multi-point Design
- One Logic Controller for each Alarm Point
- Supports all Sequences of ISA-S18.1
- Each individual Channel configurable
- Push Buttons: Acknowledge, Reset, Test, Mute
- Alarm Channels (Windows): 10, 16, 20
- Cabinet Size: 144x144mm
- Cutout Size: 140x140mm
- Window Size: 22x22mm or 22x45mm
- Display Installed Depth: 68mm
- Mounting: Flush Mount
- Illumination: Long Life LEDs

- LED's Color: White, Red, Yellow, and Green
- Isolation: Opto Isolated Inputs, Relay Outputs
- Inputs: Dry Contact, NO/NC Voltage inputs
- Input Voltage: 24V, 48V, 110V, 220V (DC or AC)
- Power Supply: 24VDC
- Power Consumption: 30mA Per Channel
- Internal Auxiliary Relay (Input or Output)
- Internal Common Alarm Relay
- Alarm Text: Film Legends
- Synchronization for Multiunit Applications
- Compact Size
- High Reliability
- Low Cost

### Options and Order Number

