

AR7525 Series Alarm Annunciator

Ultimate Flexibility and Reliability



AR7525 Series alarm Annunciator, provides an ideal solution to all your alarm system requirements.

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

The modular construction allows system of almost any size .

This modular construction also allows system to be build and configured in minimum time.

A large range of options can be supplied in addition to the standard unit, to fulfill all annunciator requirements.

- Full Function, Flexible and Reliable
- Remote Logic Controllers
- No Master Module
- Modular Multipoint Design
- Common and Auxiliary Relays
- Field Programmable
- Alarm sequence to ISA-S18.1
- Long Life Bulbs or LEDs
- All Sizes Configurable
- Low Cost for all system sizes

Features

Modular Construction

The modular construction of AR7525 Series allows almost any size to be constructed to the customer's order in time. Each alarm point has its own logic card.

Bulb Lamp or LED

The standard annunciator has two long-life bulbs lamps per window. These provide a display bright enough to be clearly seen in the highest ambient light condition.

Industrial standard 24 VDC glass wedge bulb lamps are used. As an option Plug-in LED modules can be used to provide bright back-lit display with an almost unlimited life ideal for a truly maintenance free annunciator. Available in different colors.

Power Supply

Anominal 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

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

Shallow Depth

The unit is only 68mm deep, a fraction of regular annunciators.

No Master Module

Reliability is the first priority in safety critical applications like alarm annunciation. The AR7525 Series annunciator uses a unique solution to provide unparalleled reliability. Unlike microprocessor controlled systems, the AR7525 Series annunciator has no master module, hence no signal source of system failure.

Services

No special tools are required to replace bulbs, replace cards or changing the operating sequence and configuration.

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).

Outputs

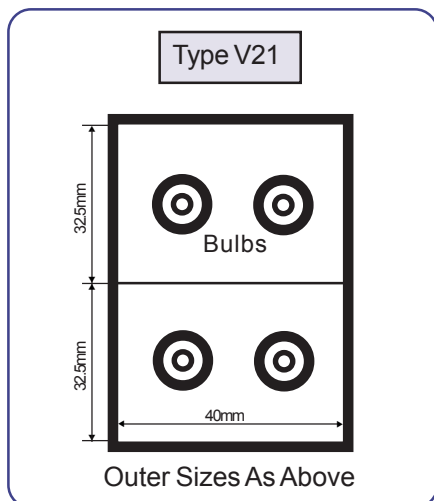
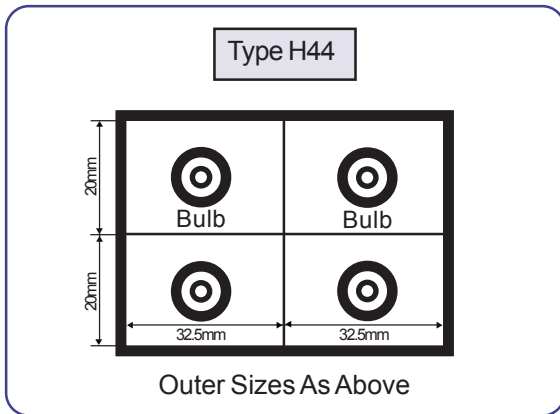
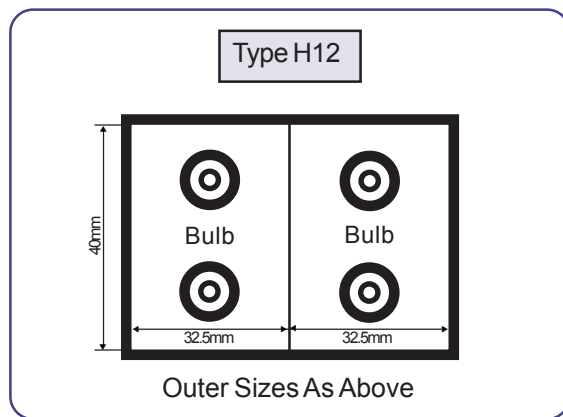
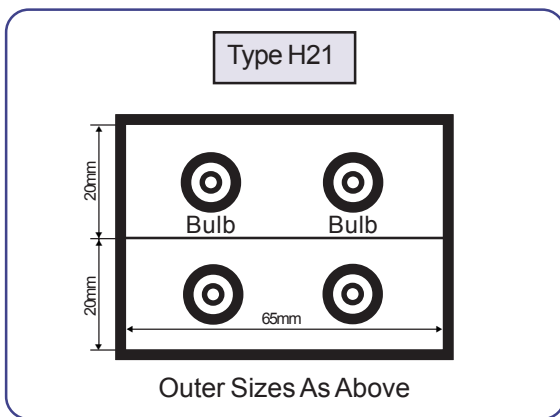
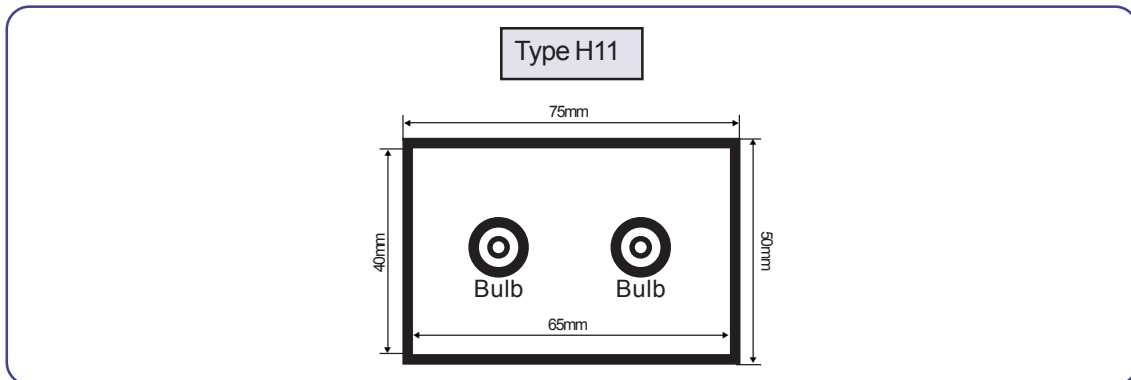
System Supports the following outputs:

- Display Output
- Audio Output
- Auxiliary Output
- Common Alarm Output
- First_Up Output

Auxiliary Relay

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

Configuration:



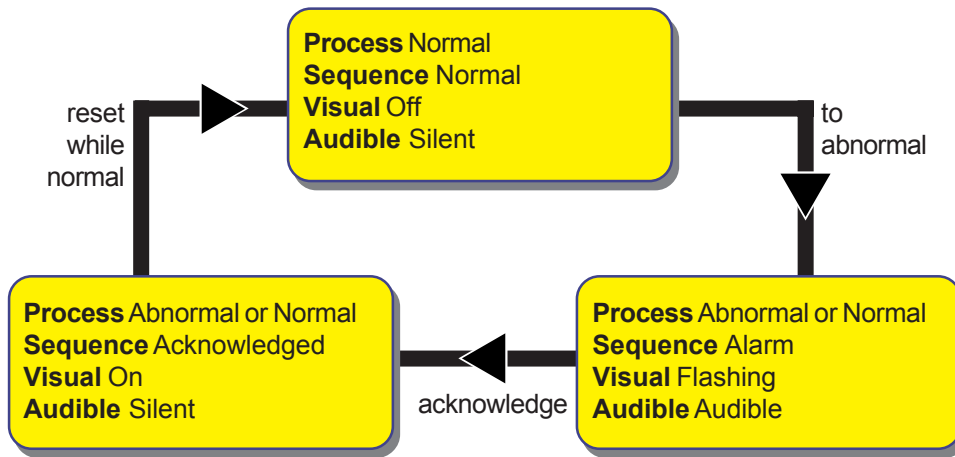
Display Size Calculation
Length(mm)= Cx75+37 ± 0.5
Height(mm)= Rx50+37 ± 0.5
Cutout Size Calculation
Length(mm)= Cx75+33 ± 0.5
Height(mm)= Rx50+33 ± 0.5

C: Number of Columns
R: Number of Rows

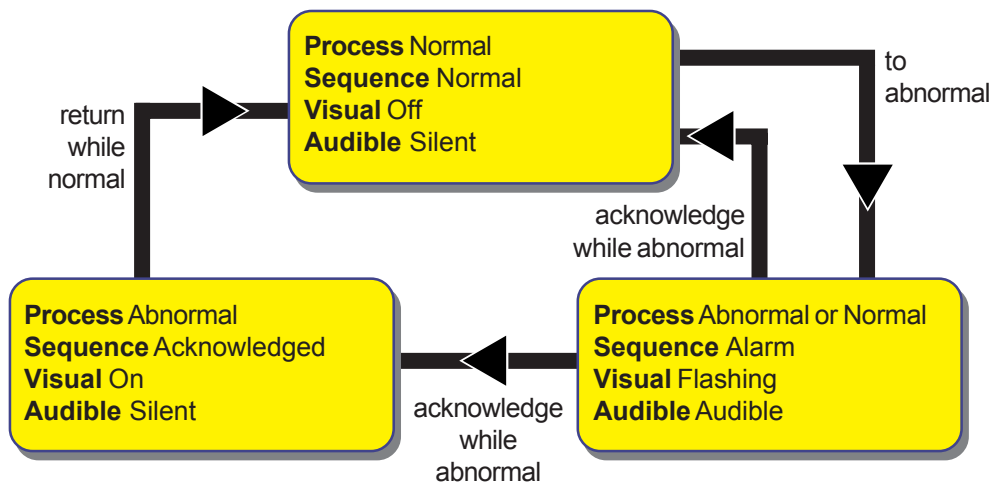
Alarm Sequences

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*. Systems can be configured with different features on different alarm ways. Available Sequences on standard AR7525 (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

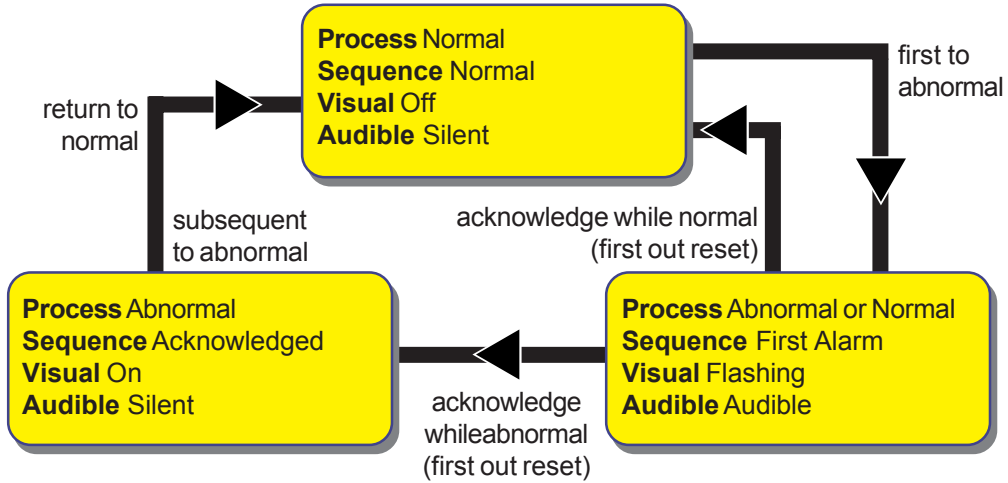


Auto Reset / Sequence code A



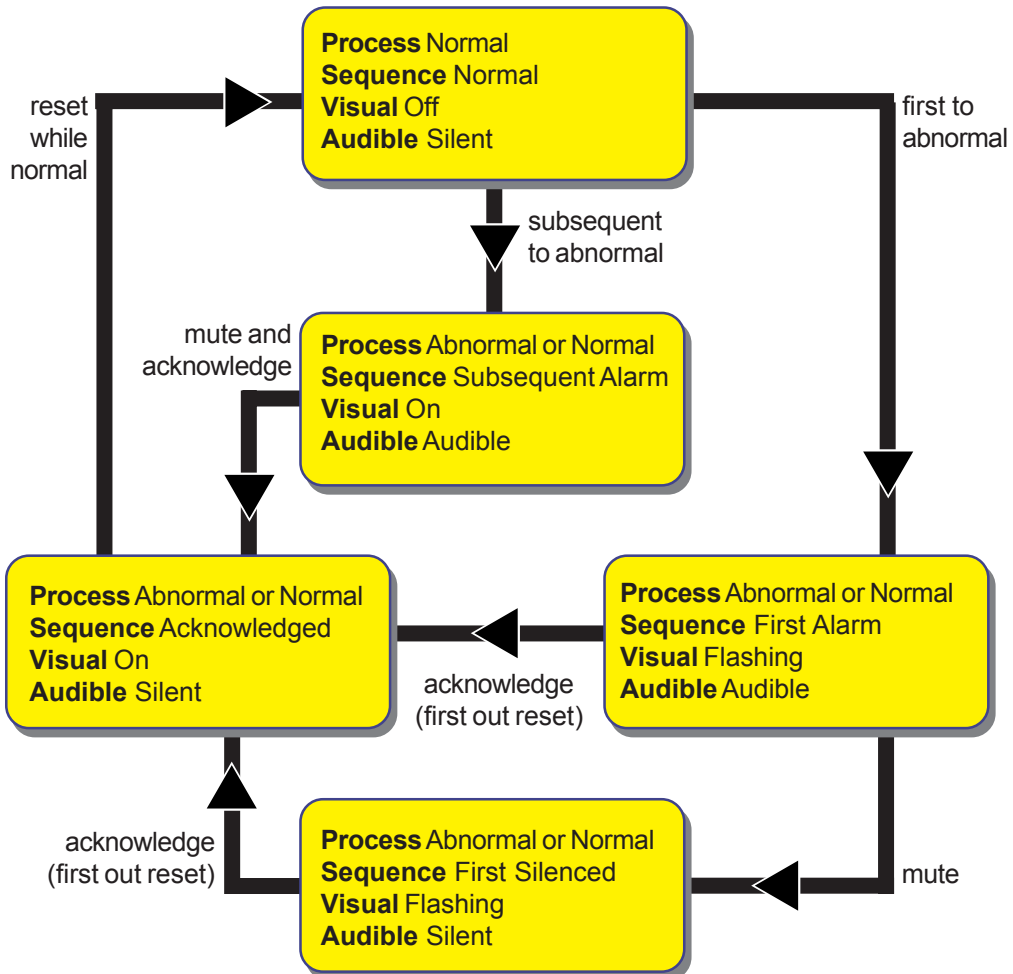
Automatic Reset First Out / Sequence F1A

With No Subsequent Alarm State



Manual Reset First Out / Sequence F2M-1

With No Subsequent Alarm
Flashing and Silence Pushbutton



System Specification

- Modular Multi-point Design
- Any number of windows
- Mounting: Flush Mounting
- Construction Material: aluminum
- Alarm Text: Engraving
- Installed Depth: Only 68mm
- For Display, Cutout and Window Size, see Configuration Page
- Remote Logic Controllers
- High Reliability and Maintenance Free
- Low Cost for all system sizes
- Illumination: Long life Bulbs or LEDs
- Input Voltage: 24VDC or AC
- Power Consumption: 50mA Per Bulb
- Bulb Lifetime: 14,000 Hours

Options and Order Number

