

# ALARM ANNUNCIATOR



Alarm Annunciator is a centralised model, which gives audio visual signals for the faulty processes. Latest models of annunciators are based upon microprocessor or micro controller circuitry, which ensures the maximum reliability as well as enhanced wide ranges of features and functionalities. We Offer Alarm Annunciator according to customers flexibility and needs. Alarm Annunciators consist of a power supply unit SMPS, a programming unit CPU and other connections including fault contacts and facial display units. The blinking windows are generally acrylics, which are enlightened by LED with very low power consumption.

## Features

- It provides high safety integrity for critical alarm applications
- With a wide range of three window sizes your exact requirements can be matched
- User selectable operating alarm sequences (Auto Reset, Manual Reset, FIFO & Ring Back sequence)
- Customised sequences also given
- User selectable alarm contacts (NC/NO)
- Front door access and easy removal of legend inscription (Less than 0.2 VA)
- High bright multicolour LED's for Facia
- Manual push button for Test, ACK & Reset function
- Optional status monitoring indication
- Optional RS485/RJ45 communication output for SCADA application
- Optional dual indication in single window
- Powder coated MS Enclosures

## Applications

- Electrical control panel, power generation station and process Automation

## Technical Specification

### Input

No. of Channels	8 / 12 / 16 / 24 / 48 and as per customer Requirement UP TO 256 CHANNELS
Fault Inputs Contacts	The field contacts provided to sense fault input should be potential free it can be either NO/NC.
Response Time	200ms
Fault Inputs Exiting Voltage	15/24VDC
Test, Ack and Reset Push Buttons	Provided on Front panel.
Test, Ack and Reset Terminals	Provided on Backside.
Sequence of operation	Manual reset / Auto reset / First in First Out / Ring Back Selectable Through DIP switch. As per ISA –18.1® 1992)
Grouping	Trip / Alarm Factory settable

### Visual Indication

Window Type	Press Fit.
Window dimension	30 x 55 / 52 x 70 / 40 x 40 mm
No. of LED's per window	5mm LED 2 Nos for 30 x 55 5mm LED 6 Nos for 52 x 70 3mm LED 4 Nos for 40 x 40
LED Colour	Red (White,Amber & Green Optional)
Flash Rate	60 flashes /min -Normal 120 flashes / min – Fast flash 30 flashes / min – Slow flash
Legends / Inscriptions	Photo Positive / Negative film
Power Consumption	Less than 0.5W per window

### Output

Relay	2 c/o potential free contact
Contact rating	5 Amps. at 230V AC

## Optional Output

Communication	An Optically Isolated RS485 with Modbus Rtu.
---------------	--

## Terminals

Connection	2.5 sqmm Terminal connectors are provided at the Back side to connect Channel inputs.
------------	---

## Power Supply

Auxillary Supply	90-270VAC
Dielectric Strength	2 KV Isolation Between Auxiliary and Panel

## Environment

Ambient Temperature	(10-55)°C
Relative Humidity	95% RH

## Manual Reset

	Normal	Abnormal	Acknowledge	Ret. to Normal	Reset
Visual	Off	Flash	Steady	Steady	Off
Audio	Off	On	Off	Off	Off

## Auto Reset

	Normal	Abnormal	Acknowledge	Ret. to Normal	Reset
Visual	Off	Flash	Steady	Off	Not Applicable
Audio	Off	On	Off	Off	Not Applicable

## First in First Out

	Normal First Sub	Abnormal First Sub	Acknowledge First Sub	Ret. to Normal First Sub	Reset First Sub
Visual	Off Off	F.Flash S.Flash	S.Flash Steady	Steady Steady	Off Off
Audio	Off	On	Off	Off	Off Off

## Ring Back

	Normal	Abnormal	Acknowledge	Ret. to Normal	Reset
Visual	Off	Flash	Steady	Flash	Off
Audio	Off	On	Off	On	Off

## DIMENSION

### 8 Window

	WINDOW 30X55	WINDOW 52X70	WINDOW 40X40
BEZEL	180(H) X 295(W)mm	180(H) x 350(W)mm	180(H) x 250(W)mm
CUTOUT	150(H) x 265(W)mm	150(H) x 330(W)mm	150(H) x 220(W)mm
DEPTH	250mm	250mm	250mm

### 12 Window

	WINDOW 30X55	WINDOW 52X70	WINDOW 40X40
BEZEL	180(H) X 295(W)mm	240(H) x 360(W)mm	210(H) x 250(W)mm
CUTOUT	150(H) x 265(W)mm	210(H) x 330(W)mm	180(H) x 220(W)mm
DEPTH	250mm	250mm	250mm

### 16 Window

	WINDOW 30X55	WINDOW 52X70	WINDOW 40X40
BEZEL	220(H) x 295(W)mm	290(H) x 350(W)mm	250(H) x 240(W)mm
CUTOUT	190(H) x 265(W)mm	270(H) x 330(W)mm	230(H) x 220(W)mm
DEPTH	250mm	250mm	250mm

### 24 Window

	WINDOW 30X55	WINDOW 52X70	WINDOW 40X40
BEZEL	210(H) x 400(W)mm	290(H) x 510(W)mm	250(H) x 340(W)mm
CUTOUT	190(H) x 380(W)mm	270(H) x 490(W)mm	230(H) x 320(W)mm
DEPTH	250mm	250mm	250mm



#### INDUSTRIAL CONTROLS & DRIVES (INDIA) PVT. LTD.

#33, Mettukuppam Road, (Via Alapakkam Road)  
Maduravoyal, Chennai - 600 095, Tamilnadu, India  
Tel : +91 44 4293 4322, 4293 4324, 4293 4335  
Email : sales@icdipl.net, Web : www.icdipl.net

