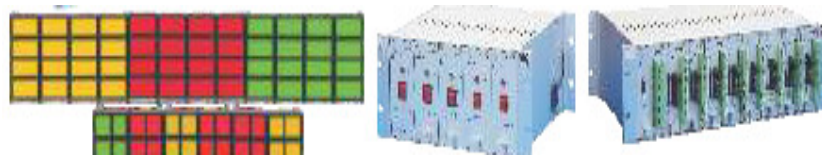


## TECHNICAL DATA SHEET MICROPROCESSOR BASED ALARM ANNUNCIATOR TYPE – MBAS-9700



<b>Supply Voltage</b>	: 20-60VDC, 90 - 270VAC/DC
<b>Supply frequency</b>	: 50 / 60 Hz. (±3%) for AC
<b>Input</b>	
• Fault Alarm Inputs.	: Actuation Through Fault Contacts
• Fault contacts.	: Potential free (voltage free) type
• Input interrogation voltage	: +12V DC (ISO)
• Input isolation	: Opto isolating device.(2 KV)
• Response Time	: 40 mS.
• Site selectable DIP for	
Fault type	: NO/NC
Grouping	: Trip/Non Trip
Sequence selection	: Manual / Auto /Ringback / First-up
<b>Output</b>	
• Output contacts for grouping	: 1NO+ 1NO + 1NO (optional)
• Output contact for CPU & PSU fail	: 1NC
• Contact Rating	: 5 amp at 240 VAC (Resistive)
<b>No. of windows</b>	: 24 (big) /32/40 (big) /48/64/80/96/112/128
• Windows dimensions	: 30 mm x 30 mm For small windows 30 mm x 65 mm for big windows
• Colour	: Red/Yellow {Amber}/Green/White/Blue
• Flash rates	: Fast flash - 50-60 flashes / Min Slow flash - 25-30 flashes / Min
• Power Consumption	: 1.5 W per Window. (Max)
<b>Sequence</b>	: Manual, Auto, Ring back (Optional), Firstup (Any Other Sequences on Request)
<b>Serial communication</b>	: RS232/RS485 (with modbus ASCII/RTU) optional
<b>Environmental Conditions</b>	: <b>Operational</b> <b>Storage</b>
• Temperature Limit	: 0 Deg C to 60 Deg C    - 10 Deg C to 60 Deg C
• Humidity	: up to 95% RH
• Power Supply	: Redundant

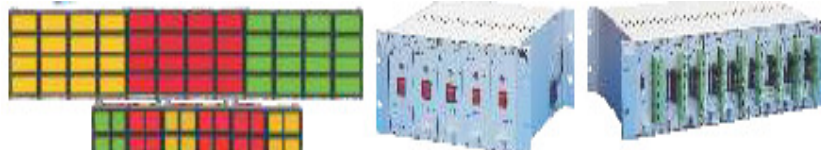
### Minilec India Pvt. Ltd.

S.No. 1073/1-2-3, At Post : Pirangoot, Tal : Mulshi, Dist : Pune (India), Pin : 412 111  
Tel : (020) 22922162 / 22922354-57. Fax : (020) 22922134 or (020) 25432349 / 25431573.  
Website : <http://www.minilecgroup.com> E-Mail : [mkt1@minilecgroup.com](mailto:mkt1@minilecgroup.com)

# TECHNICAL DATA SHEET

## MICROPROCESSOR BASED ALARM ANNUNCIATOR

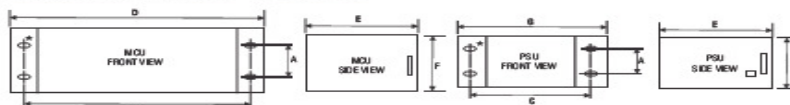
### TYPE - MBAS-9700



#### • COMPUTER INTERFACE

The MCU unit transmits fault information to computer serially. RS232/RS485 standard is used for serial communication. Communication protocol MODBUS ASCII / RTU can be offered. In computer user-friendly software is written. This software offers online Date & Time setting, Legend setting, Display window & also it gives fault report with on demand printing facility

#### DIMENSIONAL DETAILS - MCU & PSU



MCU & PSU for 24 to 64 windows are housed in one 19" rack.

MODELS	MOUNTING DIMENSIONS			OVERALL DIMENSIONS			
	A	B	C	D	E	F	G
128 POINTS	57.15	465.10	292.38	482.60	260.00	132.50	310.38
112 POINTS	57.15	419.38	292.38	436.88	260.00	132.50	310.38
96 POINTS	57.15	373.66	241.58	391.16	260.00	132.50	259.58
80 POINTS	57.15	327.94	241.58	345.44	260.00	132.50	259.58
64 POINTS	57.15	434.62	-----	452.12	260.00	132.50	-----
48 POINTS	57.15	388.90	-----	406.40	260.00	132.50	-----
32 POINTS	57.15	292.38	-----	309.88	260.00	132.50	-----
24 POINTS	57.15	292.38	-----	309.88	260.00	132.50	-----

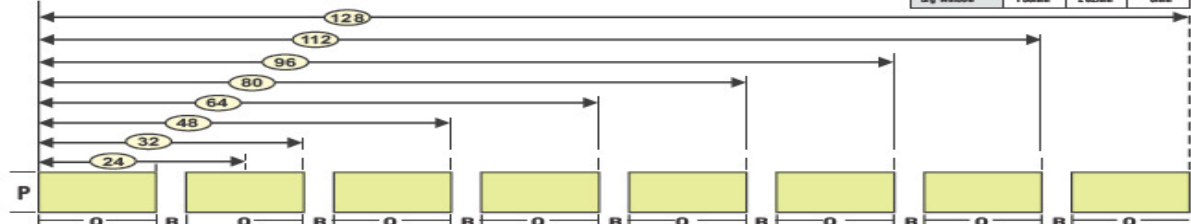
#### Overall Dimensions ( DFU )

MODELS	Big Windows		
	W	L	D
128 POINT	144m.m.	2304m.m.	70m.m.
112 POINT	144m.m.	2016m.m.	70m.m.
96 POINT	144m.m.	1728m.m.	70m.m.
80 POINT	144m.m.	1440m.m.	70m.m.
64 POINT	144m.m.	1152m.m.	70m.m.
48 POINT	144m.m.	864m.m.	70m.m.
32 POINT	144m.m.	576m.m.	70m.m.
24 POINT	144m.m.	432m.m.	70m.m.

Small Windows			
128 POINT	144m.m.	1152m.m.	70m.m.
112 POINT	144m.m.	1008m.m.	70m.m.
96 POINT	144m.m.	864m.m.	70m.m.
80 POINT	144m.m.	720m.m.	70m.m.
64 POINT	144m.m.	576m.m.	70m.m.
48 POINT	144m.m.	432m.m.	70m.m.
32 POINT	144m.m.	288m.m.	70m.m.
24 POINT	144m.m.	216m.m.	70m.m.

#### PANEL CUTOUT DETAILS - DFU



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