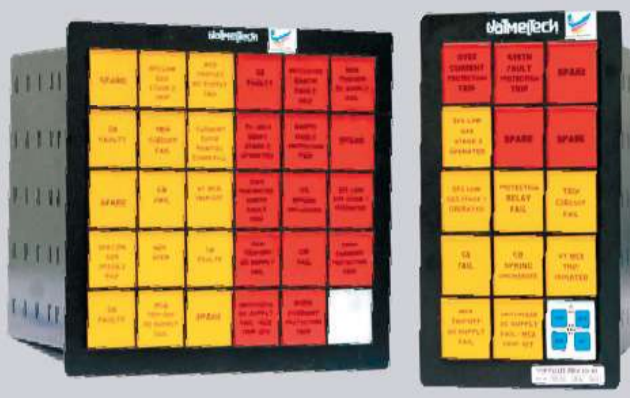# DatmelTech Microcontroller Based Alarm Annunciator and Lamp Cabinet

BUATAN MALAYSIA

Model Number	The First number indicates the numbers of Active Window
14W WPB	14 Windows With Inbuilt Push Button and Watchdog.
30W WOPB	30 Windows Without Inbuilt Push Button Watchdog.
/ BB	With In Built Buzzer.
/ RR	With Repeat Relay Facilities.
/ WG	With Grouping Selection Dip Switch.
/ IO	With IO Selection Dip Switch.

LAMP CABINET WINDOW DIMENSION AND CUT OUT DETAILS

Voltage Supply	Number of Windows	Overall Dimension Height (H) x Width (W) x Depth (D) mm	Cutout Dimension Height (H) x Width (W) mm
>12/24 VDC >48/60 VDC >110 VDC	10	201.3 x 95.0 x 70.0 (mm)	181.0 x 73.0 (mm)
	20	201.3 x 165.0 x 70.0 (mm)	181.0 x 143.0 (mm)
	30	201.3 x 233.0 x 70.0 (mm)	181.0 x 211.0 (mm)
	40	201.3 x 278.0 x 70.0 (mm)	181.0 x 279.0 (mm)

TECHNICAL SPECIFICATION

Supply Voltage
* Wide Band Dual Voltage AC / DC
* 90 – 270V AC/DC +10% - 15%
* 24 – 60V AC/DC +10% - 15%

Frequency
* 50/60 Hz

Power Consumption
* Sleep Mode @ 240V AC 53 mA
* Sleep Mode @ 110V DC 100 mA
* 5.6 - 8.6mA per illuminated window

Operating Sequence
* Three Sequences are provided by selecting DIP switch. Site Selectable. One sequence operated at time. (M1-Manual Reset, A1- Auto Reset & F2-1- First Up)

Illumination
* Ultra bright dual LEDS (Replaceable LEDs mounted on PCB)

Input Signal
* Potential Free Contact

Output
* Interrogation Voltage : +12V DC
* Annunciation Failure Relay : OPTO Isolated
* Electromagnetic Relay : NO/NC 1 Contact
* Alarm Relay : OPTO Isolated Electromagnetic Relay (NO)
* Contact Rating : 5A, 240 VAC (Resistive)
* Repeat Relay : 1 Potential Free Contact for each alarm point using 25 Pin "D" Connector (Optional)

Optional Features
* NO/NC Input Configuration Selection.
* Grouping Relay 1 and 2 (Trip / Untrip)
* Non Standard Operation Sequence.
* Repeat Relay for parallel annunciation.
* Push Button built-in Buzzer (4 kHz at 90dB, 10cm) with Watchdog Green LED.
* Additional contact.

Push Button Capsule
* Membrane type with Watchdog Green LED.
* Control Push Buttons for Test, Mute, Acknowledge and Reset function.

Window Color
* White, Red, Yellow, Blue, Green and Amber

Window Size
* 32 x 32mm. (Individual Replaceable)

Legends
* Laser printed on film / Tracing paper. Low relief engraving.

Inscription
* 5 lines, 4mm letter size with 55 Alphabets

Flash Rate
* Fast : 60 Flash per min.
* Slow : 30 Flash per min.

Response Time
* 15msec +/- 10msec

Control
* Attended / Unattended
* Annunciation Failure Contact

Isolation
* OPTO Coupler with filter protection against surge 2kV, 60Hz, 1 min in compliance IEC 255.4

Surge Immunity
* IEC 61000-4-5:1995

Relative Humidity
* 0 to 95% RH condensation

Storage Temperature
* - 20 to 80 Celsius

Compliance Immunity
* IEC 60255-5:2000
* IEC 60068-2-31:1982
* IEC 60068-2-32:1982
* IEC 60068-2-38:2009

Protection Class
* Facia (Window) : IP 41
* Enclosure : IP 30

Operating Temperature
* -20 to 60 Celsius