M2-Series Programmable Annunciators

Product Features

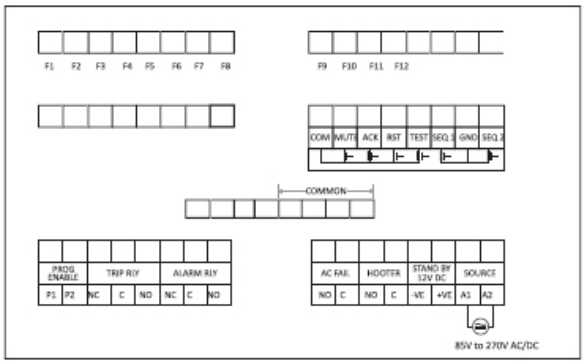
- Sleek, light weight, ABS enclosure
- Super bright, Red color SMD, LED for fault indications
- Test / Mute / Acknowledge / Reset (buttons in front and terminals at rear) are available.
- Multiple units terminals can be connected in parallel to achieve more windows
- Each window can be programmed for fault inputs as NO or NC and output as alarm or trip
- Above program can be locked by removing the short link across specified terminals
- Over voltage protection
- Basic Models: M2-2 / M2-4 / M2-6 / M2-8
- Advanced Models: M2-12 / M2-16 / M2-24
- Available in 12, 16 and 24 windows respectively
- Available in wide auxiliary voltage range of 85-270V AC/DC.
- Advanced Models with additional features: M2-12R / M2-16R / M2-24R
- RS485 output signals are available for displaying Fault and healthy status of each window.
- Repeat relay cards having 8 (C-NO) outputs can be supplied on order to connect the main unit to 1, 2 or 3relay cards (as required) in a daisy chain arrangement and achieve one output for each window.

Specifications

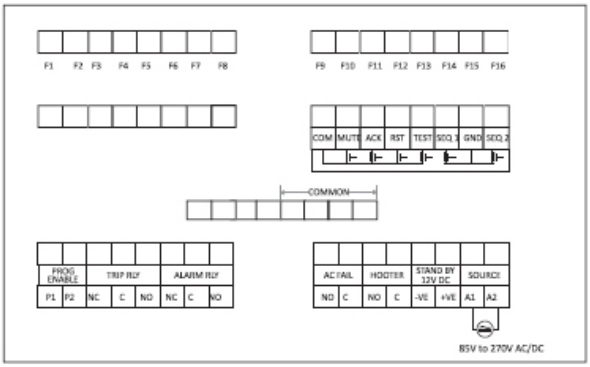
Model	M2-24	M2-16	M2-12
Function	Programmable fault annunciator		
Rated supply voltage	85Vto 270V AC/ DC		
Stand by supply voltage	12V DC		
Rated frequency	50 / 60Hz ±5%		
Power Consumption	20 VA / 4W		
No. of windows	24 windows	16 windows	12 windows
Fault input contacts	Selectable NO/NC type for every channel (Potential free contacts)		
Window colour	Red		
Control output (No. of relays)	4 nos- Trip Relay (C, NC , NO), Alarm relay (C, NC , NO), AC fail relay (C, NO), Hooter Relay (C, NO)		
Contact rating	1 c/o rated for 5A@250V AC / 28V DC, resistive load		
Test facility	Available (operational test)		
Flash rate	Fast; 100 per minute Slowc50 per minute		
Standard sequence	Manual reset, Auto reset , Manual reset + ring-back, first in first out (FIFO)		
Recovery time	2sec minimum		
Ambient temperature	Operationc -10^{0}C to +55^{0}C, Storagec -25^{0}C to 80^{0}C		
Humidity	Max. 85% RH @ 40^{0}C		
Service life (under no load)	10^6 operations minimum		
Electrical life (under full load)	10^5 operations minimum		
Insulation resistance	>100Mohms @ 500V DC		
Di-electrical strength	1. 2.5KV AC, 50Hz for 1minute. (Between current carrying and non-current carrying parts). nn 2. 1.5KV AC, 50Hz for 1minute. (Between contacts and control circuit). nn 3. 750V AC, 50Hz for 1minute. (Between non-continuous contacts of the relay). nn n		
Electrical connection	Screw type terminals with self lifting clamps		
Window size(W x H)	28.0 mm^2		28.0mm X 63.0mm
Dimension (over-all)	291 x 186.5 x 79mm (L x W x D)		

Connections

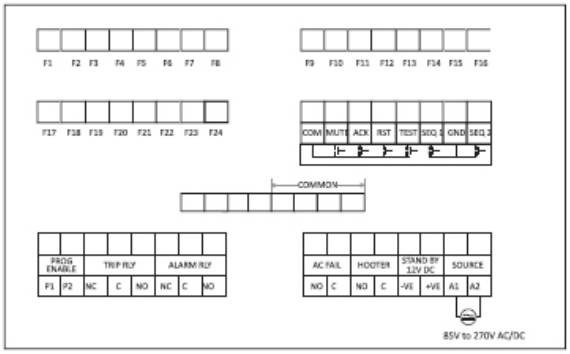
M2-12



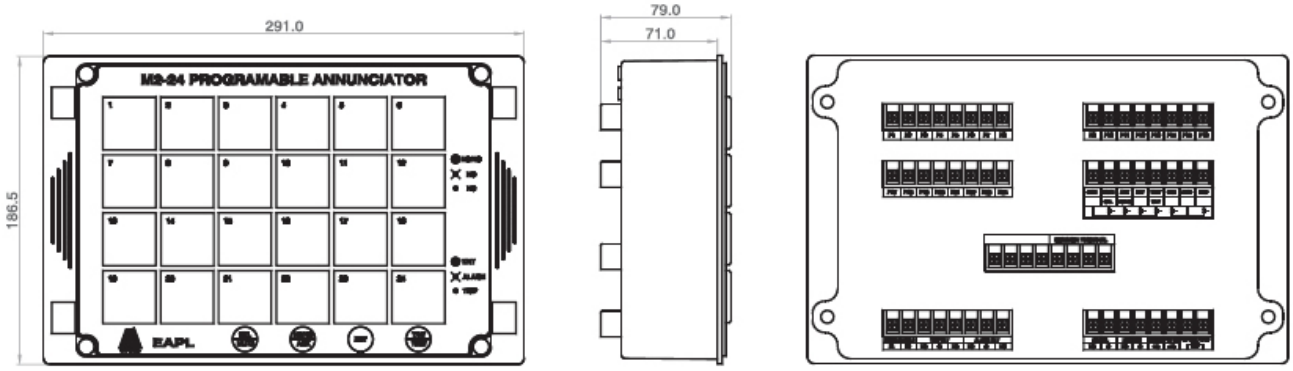
M2-16



M2-24



Dimensions



Accessories

- Panel locking side anchors -4 Nos

Caution

- If the input source voltage shoots beyond specified voltage range the unit will be damaged beyond repairs. Suitable protection for incoming voltage is recommended.
- Input sensing across common terminal to respective terminating terminals (F1 to F24) should be potential free(zero volts)
- There should be no external voltage given between common and mute, accept, rest, test terminals.
- There should be no external voltage given between sequence 1 , sequence 2 & GND terminals
- There should be no voltage across program enable terminals
- Use 2.5mm2 U-type lugs with sleeve.
- Technical specifications are subject to change without prior notice