**ALARM ANNUNCIATOR (MODEL: Q -1100)**

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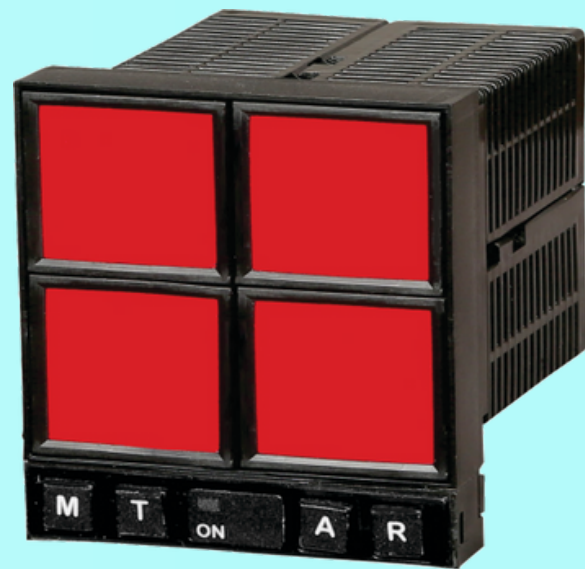
**The Design Features:**

- Ÿ  Advanced reliable Single chip microcontroller logic
- Ÿ  Opto isolated inputs and outputs
- Ÿ  Super Bright LED window illumination
- Ÿ  High Noise immunity / isolation
- Ÿ  Switch mode power supply – wide range of input Aux supply
- Ÿ  Self-surveillance watchdog LED
- Ÿ  Low power consumption
- Ÿ  Site selectable Window colour
- Ÿ  Inbuilt Alarm

**The Constructional Flexibility**

- Ÿ  Conforming to DIN panel cutout and nonstandard cutout(E – size) – 2 Variant
- Ÿ  Replaceable Window legends
- Ÿ  Two different window size
- Ÿ  Moulded enclosure
- Ÿ  Low depth
- Ÿ  Shock proof shrouded terminal's

**The Functional Features:**

- Ÿ  Fixed Sequence of working
- Ÿ  Potential free dry contact inputs
- Ÿ  NO/NC inputs selectable configuration
- Ÿ  Trip & Non Trip selection
- Ÿ  General Communication Protocol

**Optional Features**

- Ÿ  Standby working with AC voltage
- Ÿ  DC fail indication window with output contact for Alarm
- Ÿ  AC Fail Indication window
- Ÿ  AC Fail indication window with output contact for Alarm
- Ÿ  Any custom built operating sequences
- Ÿ  Manned / Unmanned function
- Ÿ  RS 485 communication/ MODBUS RTU/ASCI Protocol
- Ÿ  Fault Follower contact output per fault Input (NO or NC)
- Ÿ  Supervisory contacts
- Ÿ  Inbuilt Hooter

# Technical Details:-

- **Windows available :-** 2, 4, 6, 8, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36 38, 40, 42, 44, 46, 48, 52,56,60 & 64 windows
- A**ux. supply: 1)** 10 to 18 V DC, 2) 20 to 56V DC **3)** 20 to 150V DC, **4)** 75 to 275V AC/DC
- **Window illumination:** Ultra high bright SMD LED
- **Window Colour:** All Red**,** Red/ Yellow, Red/ White – site selectable (other colours optional)
- **Window size:**
  a. 34 (H) x 37(W) mm and 34 (H) x 74 (W) mm – combination of both sizes
  b. 34.5(H) x 69 (W) mm and 34.5 (H) x 34.5(W) mm – Combination of both
- **Window Flash rate:** 100 flashes per minute
- **Window Legend(Inscription):** Tracing sheet print or Photo negative film
- **Power consumption :** 0.8W per window or Less than 6W per unit
- **Field input:** potential free protective relay Normally open contact (with potential is optional)
- **Input interrogation Voltage:** -24V DC (from the unit) – No external voltage required
- **Input Field contacts:** Normally open contact (site selectable NO/NC selection is optional)
- **Input Isolation:** Opto isolated (2 kv) (from internal circuits)
- **Response Time:** 20 m Sec (other response time upon request)
- **Sequence of operation:**
  Site selectable – Type -1:- Normal, Ring Back, Auto Accept & Priority Mode (first out)
  Site selectable – Type -2:- Manual Reset M , Auto Reset S, First UP, and Manual Reset N
- **Output Contact:** 1 NO contact for Trip Alarm, 1 NO contact for Non Trip Alarm, 1 NO contact for DC fail alarm& 1 NO contact for AC Fail (Optional feature), 1`NO contact for supervision
- **Output contact Rating:** 10A@30V DC/ 230V AC resistive load (make & carry)
- **Push buttons:** Inbuilt push buttons for Test, Mute, Accept & Rest, and also terminals provided for external PB's
- **Built in Alarm:** Built in Alarm will be of 1 Tone, 2 Tone, 3 Tone (optional)
- **Sound Output**: 90 dB
- **Enclosure:** FR Grade ABS plastic
- **Protection:** Front: IP54 , Back: IP20

# WIRING DIAGRAM



ANNUNCIATOR WITH TWO OUTPUT RELAY CONTACTS