

# User's Manual

## ALARM ANNUNCIATOR

### MLD - 03 - SERIES

**ALAN**<sup>®</sup>  
Since 1997....



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#### General :-

The world is going through automation in each and every field. Any manufacturing, controlling system requires centralized monitoring. Annunciator is one of the equipments among these systems. After studying numerous site requirements, Alan Electronic Systems Pvt. Ltd. have developed and perfected the Annunciator with latest technology. The user friendly design fulfills the expectations and demands of the customer.

Alan Electronic Systems Pvt. Ltd. is a well established company in the field of industrial electronics with a history of excellent growth. Alan enjoys substantial market share for it's specialized products in micro controller based embedded systems, power electronic, electro-medical systems.

Reliability and growth of the company was achieved by its experienced and excellent team which consists of young, energetic & innovative engineers.

Alan's strength is in its unique ability to perceive innovative solutions to complicated problems and implement the same into practical systems. Alan always aims and works towards solutions that achieve the desired functionality, performance, and cost effectiveness.

#### Scope :-

The scope of the user's manual is limited to the product named MLD -03 - series. Alarm annunciator. The product is manufactured, Marketed and serviced by Alan Electronic Systems Pvt Ltd. Users should not refer this manual for using any other annunciator other than MLD-03 Series. The scope is further limited to the extent of technical specifications enlisted in this USER'S MANUAL only.

#### Features :-

- Micro-controller based logic.
- Built in watchdog design to ensure fail safe operation.
- Programmable NO/NC, G1/G2, Sequence, SYNC IN/OUT, RESPONSE TIME & ASCI/RTU selection using combination of push buttons.

#### Warranty :-

The Product MLD-03 - Series (Micro - Controller based) Annunciator is backed up by Alan's warranty against all manufacturing defects at our works for 18 months from the date of supply or 12 months from the date of installation, whichever is earlier.

Warranty void if the seal found broken.

Warranty does not apply, if repaired or altered outside Alan's factory in a way so as, in Alan's judgment to affect its stability / reliability or which has been subjected to misuse, neglect or accident.

- Wide input supply range (i.e 18-90 VDC / 88-285V AC / DC).
- Operation test function does not affect the status of the faults.
- Detection of momentary fault, which may have occurred while performing push button operation or 'operation test' functions.
- Test function checks total system/hardware.

#### Constructional Features

- ABS plastics compact enclosures.
- Conforming to DIN standards.
- Membrane type built in push buttons.
- Choice of two different window sizes.

#### Site Selectable Features

- Four operating sequences.
- NO / NC fault contacts selection for each window.
- G1 or G2 Audible Alarm selection for each window.
- Response time
- SYNC IN/OUT
- ASCI/RTU

#### Optional Features

- DC Fail and/or AC Fail Annunciation facility.
- Potential free NO contacts for each window.
- RS-485 Communication port with MODBUS protocol.
- Annunciator healthy or fail Relay-Contacts.
- Manned / Unmanned (Sleep Mode) facility.

# Rochester Annunciator Manual

**Lingjun Ying**



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