



SERIAL PRODUCTS

ME 3011

MICROCONTROLLED ALARM ANNUNCIATOR



Mauell, the worldwide leading company in alarm annunciator manufacturing and its systemic application, is launching a new and versatile annunciator family based on its long existence of nearly 50 years and on its vast experience of hundreds of thousands worldwide installed alarm points in the most diverse and complex industrial electrical environments.

The annunciators of the **ME 3011** line represent the convergence of traditional alarm annunciating functions with unequalled programming, maintenance and connectivity features thanks to the use of the newest generation of RISC architecture microcontrollers with exceptional performance and very high reliability.

The equipment's programming can be done without the use of special hard- or software tools directly at the front fascia, or via download through the serial interface using the programming tool **ME alarmView**, based on a Windows PC platform with the customization of all alarm points, as it is normally done on traditional utility supervisory systems.

The main integrally programmable functions are:

- Definition of normally open or normally closed logic, for each individual alarm input.
- Choice of an ISA signaling sequence within a vast option list.
- Definition, per alarm window, of the attribute critical alarm, non-critical alarm or simple status signaling.
- Various options of acoustic signaling (continuous, intermittent or bitonal).
- Push button definition between "lamp test" and "function test".
- Push button interlocking enabled/disabled.
- Manual or automatic light and acoustic acknowledgement (adjustable in 5 s steps).
- Unassisted mode (sleep mode) enabled/disabled.
- Individually adjustable alarm input filter delay time from 2,5 to 637 ms.

The LAN connectivity via Modbus RTU standard protocol is in preparation, which has large application in the worldwide industry, granting great flexibility and functionality for complex interconnected configurations.

The central group is configured with a membrane keyboard with five push buttons and four LED's that allows not only the normal annunciator operation functions but also the total local programming and set up of the equipment.

The push buttons and signaling elements of the central group are the following:

- Light acknowledgement button.
- Acoustic acknowledgement button.
- Reset button.
- Function or lamp test button.
- Enter button.
- Run/sleep mode LED (green).
- Fault LED (orange).
- Two LED's (orange) for special functions.

The possible hardware configurations cover the range of 4 up to 252 alarm windows. They can be signaled with yellow, red or green color with the option of back light LED's or with apparent 5 mm LED's. The modularity is of 4 alarms plus integer multiples of 8 alarms, always on a format of 2 (v) by 4 (h).

The field input and output connections are done via rugged screw terminals which are adequate for wires sizes up to 2,5 mm². The serial interface connection is done via a RJ-11 type connector.

Other features and optional functions:

- Field alarm voltage of 24, 48, 60 or 110/125 Vdc (+/- 20%). Optically insulated inputs.
- Supply voltage: 24 Vdc (basic power supply) / 90...264 Vac and/or 20...150 Vdc (multiple power supply).
- Option of dual and redundant dc/ac power supply.

