ALM-CH16 FAULT ANNUNCIATOR

▍ Introduction

ALM-CH16 Fault Annunciator is a compact, panel-mounted alarm unit for power control and monitoring systems. It uses a reliable MCU for real-time status monitoring. When a fault occurs, the corresponding indicator lights up, the buzzer sounds, and the alarm relay activates.

Functions include mute, reset, and test via front buttons. Optional RS-485 (MODBUS-RTU) communication is available for system integration.
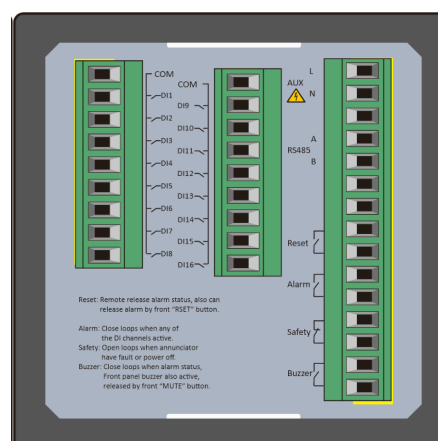
▍ Application

- Flashing alarm lights remain until confirmed;
- Customizable or replaceable alarm light labels;
- Reliable passive relay contact outputs;
- Centralized alarm output for multiple signals;
- Self-fault alarm with normally closed contact;
- Sound alarm interface supports external devices.

▍ Main Features

- Power generation and distribution systems;
- Industrial manufacturing and production facilities;
- Oil, gas, and petrochemical processing plants;
- Railway, aviation, and maritime transportation systems;
- Heating, ventilation, and air conditioning (HVAC) systems.

▍ Connection Terminal

▍ Technical Characteristics

Parameter	Value
Operating voltage	110VDC, 220VDC, 110-220VAC/DC, (±10~15%)
Rated power	≤8W
Fault signal inputs	16 channels
Flashing frequency	≤100ms, >1Hz
Relay outputs	3*contact capacity: 5A@250VAC, 0.5A@110VDC, 0.3A@220VDC
Communication	RS485 Modbus RTU
Indication method	LED indicator or illuminated text panel
Panel protection level	Front: IP54; Rear: IP20
Insulation performance	2.5 kV AC RMS 1 minute, between input / output / case / power supply
Operating environment	Temperature: -20°C ~+60°C; Humidity: Annual avg. ≤75%, max ≤93%
Wiring terminal	0.2...2.5mm²
Installation method	Panel mount
Dimension	96x96 mm