

ALM-CH SERIES FAULT ANNUNCIATOR

FEEDER PROTECTION AND CONTROL



Introduction

ALM-CH Series 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, can flexible customization 1-16 channel alarms. 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. With RS-485 / MODBUS-RTU communication for system integration.

Main Features

- 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;

Application

- Power generation and distribution systems;
- Industrial manufacturing and production facilities;
- Railway, aviation, and maritime transportation systems;
- Heating, ventilation, and air conditioning (HVAC) systems;

Technical Characteristics

Parameter	Value
Operating voltage	85-265VAC/DC ($\pm 10\sim 15\%$), optional 24VDC
Rated power	$\leq 8W$
Fault signal inputs	1-16 channels optional, digital input with internal 15Vdc pull-up voltage.
Flashing frequency	$\leq 100ms$, $> 1Hz$
Relay outputs	3 channels; Dry contact, Normally opened Load capacity: 5A@250VAC, 0.5A@110VDC, 0.3A@220VDC
Communication	RS485 Modbus RTU
Indication method	LED indicator or text panel
Insulation performance	2.5 kV AC RMS 1 minute, between input / output / case / power supply
Operating environment	Temperature: $-20^{\circ}C \sim +60^{\circ}C$; Humidity: annual avg. $\leq 75\%$, max $\leq 93\%$
Installation method	Panel mount
Dimension	96x96 mm

Connection Terminal

