Overview

Alliance relay expanders are used to increase the number of relay outputs on the system, allowing each Data Gathering Panel (DGP) or control panel to support up to 16 relays Relay expanders have either four or eight Form C relays on the PCB.

The AL-1810 includes four non-clocked relays. Both expander boards include the cable connection to the DGP or control panel. Control panels and door/elevator controllers can be fully expanded to 255 relays, while each standard DGP can be expanded to 16 relays.
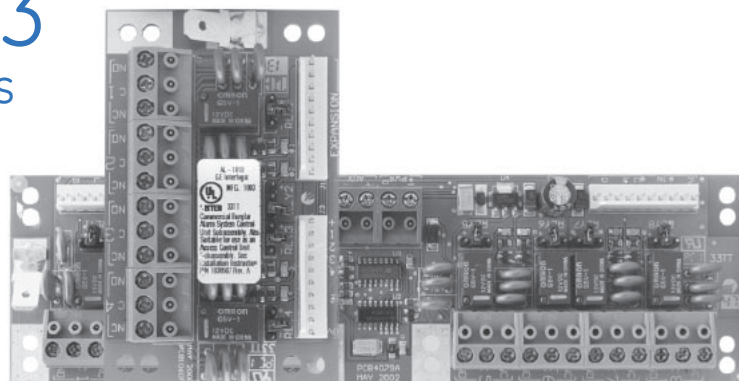
Relay expansion modules can be mounted in Alliance metal enclosures. Multiple or alternate configurations are available with the addition of universal mounting plates inside the enclosure.

Features

- Four or eight Form C relay outputs on board
- Includes AL-1635 expander interface connector

AL-1810/AL-1813

Alliance relay expansion modules

GE
Security

Specifications

Electrical	Power supply: Panel bus, 9 to 14 VDC Current consumption: 25 mA
Features	Outputs: 8 Maximum outputs: 16 per DGP; 255 per door/elevator controller or control panel
Environmental	Operating temperature: 32 to 122°F (0 to 50°C)
Physical	Maximum cable distance: 3 ft. (0.9 m) Dimensions, PCB: 3.14 x 1.96 in. (80 x 50 mm) No enclosure
Regulatory	FCC, UL, UL294, UL365, UL609, UL1610, UL1635

Ordering information

AL-1810	4-relay expansion module, UL listed
AL-1812	Relay 4-pack for smart readers
AL-1813	8-relay expansion module, UL listed
AL-1631	Expander interface connector, 20 inch

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