

OVERVIEW

The Local Door Alarm (LDA) monitors door contacts, motion sensors, and access control devices such as card reader systems or keypads to determine and annunciate the status of a controlled door. A sounder alerts area personnel of a door control violation, and the building alarm system is notified with alarm relay contacts. The Warning Alarm feature reduces nuisance alarms by sounding a local alarm a few seconds before a Door Held Alarm.

FEATURES

- **Local Warning Alarm**
- **Door Held Alarm**
- **Forced Door Alarm**
- **Supervised Door Contact Monitoring**
- **Remote Alarm Bypass**
- **Request to Exit**
- **Request to Enter**
- **Adjustable Time Delays**
- **Automatic Alarm Reset Delay**
- **Access and Secure LED's**
- **Double Gang Box Mounting**
- **Onboard Key Switch**
- **Other Colors Available**



The LDA was developed with the intention of reducing nuisance alarms caused by improper door usage, as well as providing flexible door alarm monitoring. Several field selectable operating modes allow system integrators to utilize a single type of door alarm to handle a large variety of alarm applications.

The LDA is designed to complement most access control systems by providing local audible warning and alarm signals to alert area personnel of a door violation, and communicate alarm status to the access control system. The LDA can also be used as a Stand Alone Alarm.

TECHNICAL SPECIFICATIONS

Note: these specifications are subject to change

Power	12 - 24 VAC/VDC @ 250 ma. max.
Inputs	1 Normally Closed fully supervised door input. (1 Kohm = closed, 2 Kohm = open, else = supervision fault). Supervision monitoring may be disabled at installation. 3 Access Control inputs: Remote N/O alarm bypass, N/O or N/C request to exit shunt, and fail-safe or fail secure lock voltage monitoring (12 - 24 VAC/VDC).
Outputs	1 Normally Closed Entry Alarm Relay rated @ 1/2 A. Opens with forced door alarm or door held alarm after lock voltage shunt. 1 Normally Closed Exit Alarm Relay rated @ 1/2 A. Opens with door held alarm after request to exit shunt. Alarm sounder @ 85 dB (9602) or 95 db (9612). Pulsing tones indicate warning alarm, and constant tone indicates door violation alarm. Green LED indicates access mode, Red indicates armed.
Time Delays	Access delay - adj. 0 - 60 sec. Shunts the alarm function for the duration of the delay Warning delay - adj. 0 - 60 sec. Sets the duration of the warning alarm. Alarm automatic reset delay - adj. 0 - 60 sec. Sets the duration of an alarm if the automatic reset feature is enabled.
Field Options	Forced door alarm disable. Supervision monitoring disable. N/O or N/C request to exit monitoring. Fail-safe or fail secure lock voltage monitoring. Alarm automatic reset disable.
Key Switch	C & K key switch: maintained 2 position with SPDT output
Mounting	2 Gang, 2-½ inch deep electrical box.
Terminal Strips	Fixed Terminal strips accept up to 16 AWG wires.

LOCAL DOOR ALARM OPERATION OPTIONS

Add the designated suffix to the end of the model number for these operational features.

BP	Standard Operation as noted on the specification sheet. RE1- N/C Entry Alarm, RE2-N/C Exit Alarm
INT	Same operation as noted on the specification sheet except for relay operation. RE-N/C Forced Door Alarm, RE2- Door Held Alarm
HS5	For use at Card in/ Card Out doors while allowing free exit during emergencies. Lock Voltage Shun Input resets an alarm. Refer to HS5 Application note. RE1- N/C Forced Door and Door Held Alarm, RE2-N/C Delayed Forced Door Alarm remains closed until 20 seconds after a forced door alarm to allow time to reset alarm prior to transmitting an alarm to the monitoring system.