



7281 SERIES DOOR ALARMS

**Economical Local
Door Prop Alarm**

**Versatile Exit
Alarm Sounder**

**12 or 24 VDC
Operation**

**Built-in LED
Indicator**

**Optional Key
Reset Operation**



Low Cost Door Prop Alarm

The Dortronics 7281-EA door alarm can be configured to provide an audible alert, at the door, if it is not closed within a specified time. If the door is held open past the allowed time, the piezo alert is sounded until the door is closed or the alarm is reset.

Exit Alarm on Door Opening

The 7281-EA can also be configured to provide an immediate alarm on door opening. The alarm can be timed to automatically silence or "latched" on until manually reset.

Adjustable Timed Delay

The "door open" time, for the door prop operation and the "automatic reset" time period, for the exit alarm, is field adjustable. This time delay can be set from 2 to 60 seconds.

Automatic or Manual Alarm Reset

The alarm sounder can be configured to reset automatically or require a manual reset by key to be silenced. When used as a door prop the alarm is automatically reset on door close. If used as an exit alarm the automatic reset can be by door closure after a time delay. Either operation may utilize a manual reset by key switch, digital keypad, or other momentary switch.

LED Indicator

A tri-state LED is provided for visual status of the door alarm. When the door is secure the LED is green, amber during door unlock/shunt, flashing amber when door is open (authorized), flashing red during the warning period, and the LED is steady red while in alarm.

Optional R-E-X Button

A push button can be supplied on a double gang plate to provide a request-to-exit signal to the card access system. This momentary dry contact output is totally independent of the alarm electronics.

Optional Key Reset/Shunt Switch

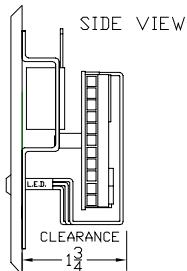
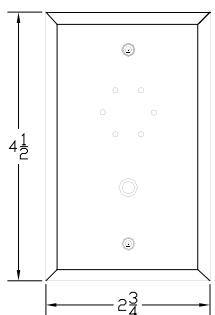
An optional key switch is offered to allow a manual reset by key. This key switch can also be used to provide an alarm shunt function.

Compact Mounting Styles

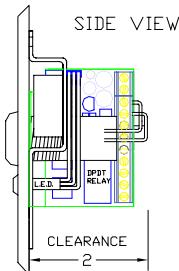
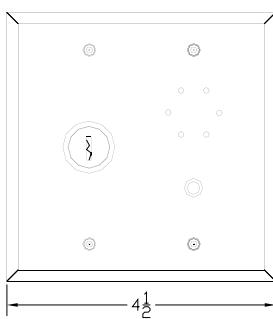
The Dortronics EA door alarm modules are supplied on a single gang plate for prop alarm with sounder and LED. If the optional mushroom pushbutton or key switch is used a double gang plate is required.

7281 SERIES EXIT ALARMS

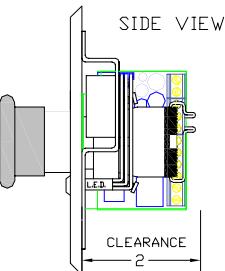
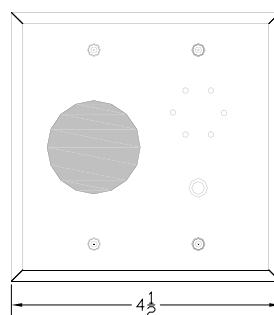
7281-EA



7281-EAxK332



7281-EAxMP23



Model Descriptions

7281-EA

Door Alarm Module on 1-gang stainless steel wall plate with LED and sounder.

7281-EA-K332

Door Alarm Module on 1-gang stainless steel plate with LED and sounder. Includes electrical key switch with DPDT contacts (1-Maintained contact for RESET input). Key removable in both positions.

7281-EA-K24

Door Alarm Module on 2-gang stainless steel plate with LED and sounder. Includes mortised key switch assembly with dual DPDT switches (1-Momentary for RESET & 1-Maintained for SHUNT). One set of contacts from each switch may be used to signal an independent system.

7281-EA-K24xK

Same as 7281-EA-24 above supplied with 1-1/8" mortise cylinder.

7281-EA-MP23

Door Alarm Module on 2-gang stainless steel plate with LED and sounder. Includes 1-9/16" dia. momentary REX push button (1-N.O. & 1-N.C. contacts).

7281-EA Operation

Door Prop Alarm

LED is green and relay is energized with power ON and door closed. Opening door starts time timing period. If door has not closed before the time delay ends, then the LED turns RED, the sounder is activated and the relay is de-energized. The second set of relay contacts can be used to signal an independent system.

Emergency Exit Alarm

LED is RED and relay is de-energized with power ON and door closed. Opening the door activates the relay and alarm sounder. LED is GREEN when relay is energized (in alarm). Alarm is silenced when door has closed and alarm time period has expired.

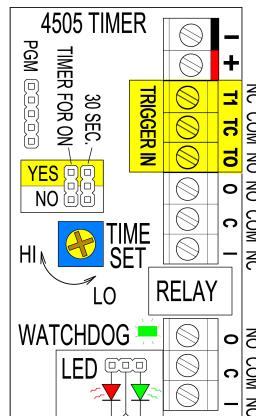
Key Reset & Alarm Shunt

The optional key switch can be used to inhibit the automatic reset on door close requiring a manual reset by key.

Additional Functionality

Please contact the factory for additional capabilities and wiring options.

EA TIMER HOOK UP



7281-EA Specifications

Power - .05 Amps @ 12 or 24 VDC

Trigger - Normally open and normally closed inputs switched to power source ground to activate relay.

Time Delay - Timing cycle begins on closure of normally closed trigger or opening of normally open trigger.

Time period adjustable from 2 to 60 seconds.

LED Indicator - Bi-color LED follows state of timer relay (RED = Relay OFF / GREEN = Relay ON)

Relay - DPDT - Rated @ 3 amps



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