

DA20 Freezer / Fridge Door Alarm with Adjustable Delay Installation Instructions

The DA20 needs to be installed on the edge of the freezer or fridge **where the door opens, not the hinge side**. Usually the best place is on the side at the top.

With an upright freezer or fridge, if you don't have room on the side, you can mount it on the top. Be sure to put it on the side **where the door opens, not the hinge side**.

STEP 1: Once you decide where you will mount the DA20, clean the surface of the door and side of the freezer or fridge where the unit will be located. Make sure the surfaces are clean and dry before proceeding to step 2.

STEP 2: Remove the protective paper backing from the adhesive on the bottom of the magnet. Be careful not to let the adhesive surface touch anything. **Leave the paper on the main unit until you have found the best position in step 4.**

STEP 3: Carefully stick the magnet on the door of the freezer or fridge **as close to the inside edge of the door as possible**. Keep in mind that the DA20 main unit needs to be located close to the magnet.

STEP 4: Carefully stick the DA20 main unit on the side of the freezer or fridge so that the **edge farthest from the battery compartment is close to the magnet**. **Experiment before sticking it on to find the best distance from the magnet.**

Battery Replacement: The DA20 features a low battery warning. When low, upon opening the door, the DA20 will begin to emit five rapid beeping tones and flashes of the LED. Open the battery cover, remove the old battery and replace it with a fresh 9 volt alkaline battery. Place the battery inside the unit then replace the cover. NOTE: The unit comes with a battery installed.

Delay Adjustment: The DA20 has an adjustable timing delay which can be set between 0 seconds and 21 minutes and 15 seconds. The unit comes factory set for 5 seconds. If you wish to change the timing, please follow these instructions:

Timing Step 1: Remove the battery cover.

Timing Step 2: Remove the battery from the compartment for easy access to the dip switches.

Timing Step 3: Using the mini screwdriver provided, flip the switches to provide the length of delay that you desire. Each switch flipped to ON will add those times to the total delay. For example, with switch 1 and 2 on, but the other time switches off, the total delay is 15 seconds. With 1, 2, and 7 on, the total delay is 2 minutes and 55 seconds. With all time switches set to on, the delay is 21 minutes and 15 seconds to be exact.

Test Your Timing: In order to check the timing adjustment, hold the main unit up to the magnet (or close the door if installed) for about 10 seconds to reset it, then move it away and measure the delay time. Although each unit is tested thoroughly before packaging, it is recommended to observe your set delay at least once to ensure it is as you desire.

Delay 5 sec	1
Delay 10 sec	2
Delay 20 sec	3
Delay 40 sec	4
Delay 1:20 min	5
Delay 2:40 min	6
Delay 5:20 min	7
Delay 10:40 min	8

PLEASE SEE NEXT PAGE FOR FULL PROGRAMMING OPTIONS AND OPERATIONS

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Operation:

After you have completed all the steps of the installation, you can test the device as follows (factory defaults).

- A) Open the door and keep it open. You should hear a short beep when you first open it.
- B) After it has been open for your selected time delay, you should hear a pulsing beep.
- C) The pulsing beep will continue until you close the door.

If the beeping doesn't stop when you close the door, you have probably mounted the main unit too far away from the magnet. When you open the door, a **"chirp" indicates that the battery is OK**. If the chirp becomes higher in pitch, or the low battery warning activates, then the battery needs to be replaced.

Dip Switch Options:

The DA20 makes setup and operation easier than ever before. Using the mini screwdriver provided, you're able to adjust the time delay, and a variety of other options:

CHIRP OFF or ON: The DA20 makes a "chirp" sound when the door is opened, letting you know the battery is fine and the unit is operating. Should you not desire the chirp, then you can flip the dip switch to the off position. **Factory default is on.**

LED OFF or ON: In addition to the chirp, there is an LED that lights up when the door is opened, which also informs that the unit is operating and that the battery is working. When the alarm goes off, the LED begins to blink, adding a visual cue that the door is opened. When the dip switch is set to the off position, the LED does not light up when the door is opened, but still flashes when the alarm goes off. **Factory default is on.**

BUZZER BEEP or SOLID: The DA20 has the ability to make a pulsing "beep" or a solid tone. When the dip switch is in the off position it emits the beep, and when in the on position it emits the solid tone. **Factory default is off (beep).**

BUZZER ON or MUTE: In its standard form, **without the DA20 Siren accessory**, the final dip switch option allows for the alarm to be muted. When muted, the buzzer makes no sound after the delay timer ends. The LED continues to function as normal, providing a visual cue, and the initial chirp is made (depending on whether that feature is turned on or off). When the dip switch is in the off position the buzzer works as normal, and when in the on position it activates the mute function. **Factory default is off (no mute).**

With the DA20 Siren accessory - SIREN SOFT or LOUD: The DA20 offers a siren accessory for locations with loud ambient noises (industrial, warehouses, etc...). When connected, the siren replaces the internal buzzer alarm, and changes the function of the final dip switch. Instead of muting the buzzer, it offers a softer volume or a louder volume option from the siren accessory. **Factory default is off (softer).**

DIP SWITCH LEGEND:

Delay 5 sec	1
Delay 10 sec	2
Delay 20 sec	3
Delay 40 sec	4
Delay 1:20 min	5
Delay 2:40 min	6
Delay 5:20 min	7
Delay 10:40 min	8
Chirp Off/On	9
LED Off/On	10
Buzzer Beep/Solid	11
Buzzer On/Mute (Siren Soft/Loud)	12



DA20 Accessories:

The DA20 is a standalone unit, but it offers two accessories to increase its effective uses. For more information, refer to the webpage, or contact us for unique customization requests.

DA20 Siren: This external siren provides extra volume for those requiring it. Using the siren with the standard battery power is perfectly fine, but be aware that it increases the drain on the battery. The siren provides 86db @ 1m (3 feet) in the SIREN SOFT setting, with 95db @ 1m (3 feet) in the SIREN LOUD setting. **Note: Every 3db represents a doubling in volume.**

DA20 Power Supply (North American/Universal): The power supply accessory allows for the use of the DA20 without the need for batteries. It's mostly used in situations where the DA20 Siren has been connected, as the siren drains the battery at a higher rate. It comes in a North American option, and also a Universal option for countries outside of North America.

