

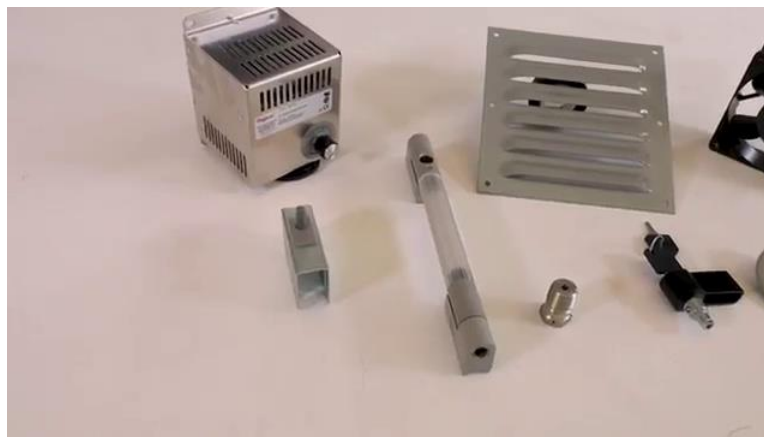
# Industrial Enclosure Accessories and Modifications

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[0m:4s] Hi I'm Josh Bloom, welcome to another video in the RSP Supply education series. If you find that you like these videos, it certainly helps us out if you could like and subscribe to our channel. In today's video we're going to talk about being closures that are used for industrial control panels. More specifically, we will talk about some of the more common modifications that are made to these panels and the hardware that is used to make these modifications. When using enclosures, it is very common to make changes or modifications to it to better fit the needs of a specific application. As time has gone on, there have been more and more custom parts that manufacturers developed specifically for modifications on many different types of enclosures. Today I will focus on some of the most common modifications or accessories that are used to enhance the capabilities of these cabinets.





[0m:52s] I will also discuss why it might be beneficial to use each of these parts we will discuss today, and if it makes sense for your specific application.

[1m:1s] Let's first look at lighting kits. This is one of the most common accessories you can add to an enclosure.

[1m:7s] Obviously you would want to add a lighting kit to any scenario where visibility could be an issue.

[1m:13s] You won't typically see these used in indoor facilities with good lighting, but they are often used in outdoor applications. There are many different styles of lighting kits that can be used, but LEDs have become the preferred lighting solution in the past several years. Often used conjunction with lighting kits are pressure switches. These switches function much like a light switch in your home and that they simply turn on or off. The only difference is the switch operates on a spring and that spring reacts to the door opening and closing. These switches are not only used for lighting, but for several other pieces of equipment such as intrusion alarms or exhaust fans.

[1m:55s] Speaking of exhaust and ventilation let's talk about some of the most important accessories and modifications that you can make to any enclosure, that being proper ventilation, heating, and cooling. In many cases, enclosures can be located in environments that require some form of environmental control within the cabinet to allow the components within that cabinet to last longer and avoid premature failure. In some cases, passive air vents may be used to allow natural air circulation. Where more ventilation is required a powered fan may be used. The size of the fan will depend on many things such as the size of the enclosure as well as the amount of air that needs to be circulated.

[2m:39s] If ambient air circulation is not enough to cool the enclosure, an air conditioner can be used. As with the fan, the air conditioner's size will depend on the enclosure size, the ambient air temperature, and the heat generated within the panel itself.

[2m:55s] Lastly, in scenarios where the cabinet is located in areas that may be exposed to more extreme cold, a heater may be needed. There are several different styles of heaters

that may be used, all of which use a good amount of power. The same can be said for air conditioners. With higher power requirements, it can become more difficult to use the devices in situations that depend on solar power. Some other very common modifications you might see on enclosures are to use a locking mechanism. There are several different options for security and enclosure depending on the amount of security that might be needed. It is also common to see conduit hole seals used on enclosures that have holes that need to be plugged due to the conduit that may have been removed at some point in the life of the enclosure.

[3m:42s] These modifications and accessories that we have discussed today are just a few of the most common that you might see. There are many other that can be used in a variety of different applications that can be found at RSP Supply.

[3m:55s] For a full line of enclosure accessories and thousands of other products, please go to our website. For more information or other educational videos, go to [RSPSupply.com](http://RSPSupply.com), the Internet's top source for industrial hardware. Also, don't forget: like and subscribe.

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