

Class 2510 Type M Thermal Unit Installation

General Information

From time to time customers may have trouble getting a new device to operate properly. The problem is either with the improper installation of the thermal units or it has not been properly reset.

Customers **MUST** also be aware that the device **CANNOT** be turned ON unless **ALL** three of the thermal units are properly installed **AND** the unit is **RESET**.

The following is a step by step pictorial description of how the device operates and includes the proper installation of the thermal units and resetting the device. The pictures represent a typical 3 pole device (2 pole devices will have only 1 thermal unit, but the procedure is the same).

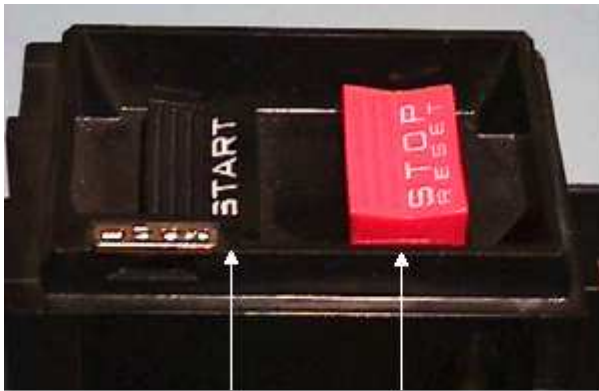
Picture #1

The Class 2510 Type M manual starter, when removed from the shipping carton, is in the **tripped mode**. Pushing the **START** button will **NOT** result in the main power contacts closing.

The device is in the tripped mode because there are no thermal units installed. Without thermal units installed the Type M manual starter cannot be reset and will remain in the tripped mode as shown below.

If the STOP button is depressed down into the **RESET** position (pushing down *extremely* hard on STOP button) without the thermal units installed, it will stay down until the START button is depressed, then the STOP button will pop back out and the main power contacts will **NOT** close.

Picture #1



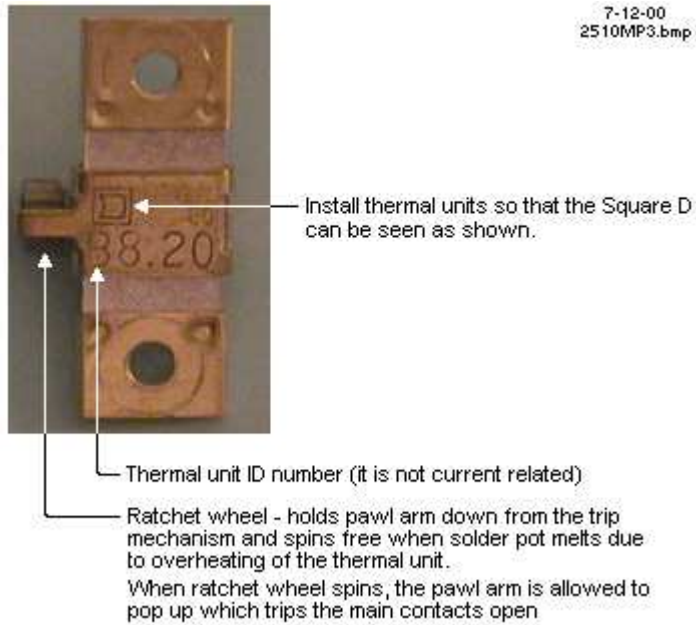
The STOP button, without thermal units installed, will be out all the way. When pushed, it will pop back out.

The START button, without thermal units installed, will be in all the way.

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2510MP1.bmp

Picture #2

A typical thermal unit is shown below. All three of the thermal units **MUST** be installed properly before the manual starter can be **RESET**.



Picture #3

Install the thermal units and reset the manual starter as described below.



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2510MP4.bmp

Pawl arm position when thermal units are installed.

The device, at this point, is still in the tripped position to RESET the device, push the STOP button down as far as it will go and then press it even harder - it will go down even further. As you continue to push the STOP button down, you will notice that the pawl arms are being pulled down. As they get pulled down, a notch on the pawl arm will engage the teeth of the ratchet wheel and the arm will be held down.

Once all three pawl arms have been pulled down as far as they will go, release the STOP button and the STOP button will now stay in the normal stop position.

The START button can now be pushed and the main power contacts will close.