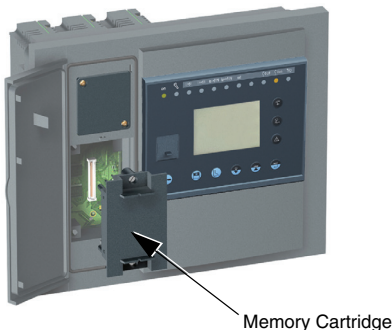


Instruction Bulletin

MMS020 Memory Cartridge Installation Sheet

Retain for future use.

Introduction



The MMS020 memory cartridge provides the application-specific factory settings and overall processing power for Sepam™ Series 80 relays. By encapsulating the relay settings, a Sepam Series 80 relay can be retrofitted for alternate applications.

Plug-and-play installation and two attachment screws make the memory cartridge easily accessible and removable from the front of the Sepam Series 80 relay.

⚠ CAUTION

DAMAGE TO CARTRIDGE

- Do not install or remove the memory cartridge with the power on.
- Ground yourself and discharge any static charge before touching the memory cartridge.

Failure to follow this instruction can result in injury or equipment damage.

Installing/Replacing the MMS020 Cartridge

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Before performing visual inspections, tests, or maintenance on this equipment, disconnect all sources of electric power. Assume that all circuits are live until they have been completely de-energized, tested, and tagged.
- Use a properly rated voltage sensing device to confirm all power is off.

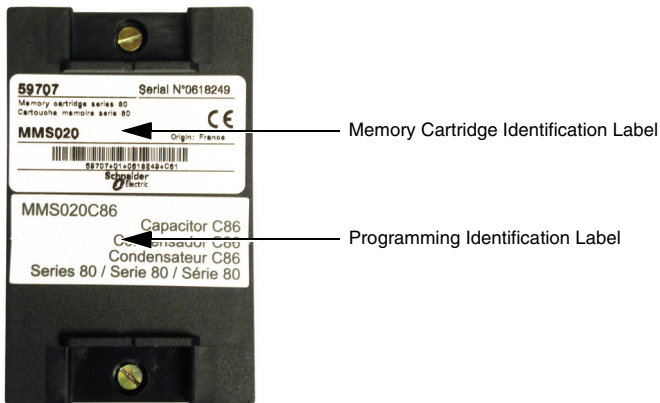
Failure to follow these instructions will result in death or serious injury.

Perform the following steps to install or replace the memory cartridge:

1. Turn off the power to the Sepam relay.
2. Remove the old memory cartridge, if necessary.
3. Put the new memory cartridge in the base unit.

NOTE: Ensure the memory cartridge has two labels (see Figure 1) to confirm that it has been factory programmed.

Figure 1: MMS020 Memory Cartridge with Two Labels



4. Power on the Sepam relay again.

If there are no compatibility problems, the Sepam relay should operate with the standard and customized functions of the new cartridge.

Compatibility of Base Unit and Cartridge

A fault message (see Figure 2) displays when firmware versions are incompatible. To avoid this, the firmware version of the relay base unit must be equal to or greater than the firmware version of the memory cartridge.

Example A firmware version V1.05 (major index = 1) base unit and a version V2.00 (major index = 2) application memory cartridge are not compatible.

If this rule is not observed, a fault message (see Figure 2) is displayed.

Figure 2: Fault message displayed if cartridge is not compatible



Troubleshooting

Major faults (indicated by the message in Figure 3) are only cleared after the cause of the fault is corrected and the Sepam relay is powered on again.

Figure 3: Fault message displayed if a major fault is present



No Connection made with SFT2841	
Possible Cause	Solution
Memory cartridge absent.	See "Installing/Replacing the MMS020 Cartridge" .
Major internal fault.	Upgrade base unit firmware.
Connection made with SFT2841	
Possible Cause	Solution
SFT2841 indicates major fault, but no missing module: Base unit internal fault.	Upgrade base unit firmware.
Memory cartridge not compatible with version of the base unit.	Note the version using the SFT2841 software, Diagnosis screen. Contact the local support team.