Allen-Bradley 80190-780-01-R

01 Preserve drive identity and files

1 Separate the DIM from file storage

Record whether an external DIM is fitted and preserve the drive-specific identity with the correct control assembly. Back up the SD card files before work. The DIM configuration image and SD job documentation serve different purposes and must not be treated as interchangeable backups.

2 Record network configuration

Capture the board address, subnet and approved network arrangement, plus the HMI and drive firmware versions. Record the connected terminal and its configuration. Identify the target drive positively before using discovery or update tools on a network that contains several HMI modules.

Drive identity	DIM assignment
Files	SD contents and job documents
Network	Address, subnet and terminal

80190-780-01-R / Install and reconnect the HMI module

02 Install and reconnect the HMI module

1 Retain the intended hardware arrangement

Isolate the equipment according to the drive service instructions and apply ESD precautions. Match the PFNI/NetBurner assembly and its connection to the DPM DIM socket. Restore the external DIM when required and inspect the SD card and connectors before energization.

2 Check switch positions

Record SW2 before removal and compare the replacement settings with the applicable procedure. The normal defaults are OFF. Do not select a programming or diagnostic configuration merely to troubleshoot a missing network connection; use the defined switch functions and authorized service instructions.

Assembly	PFNI and processor correctly seated
DIM	Correct external module retained
SW2	Settings recorded and reviewed

80190-780-01-R / Restore controlled network access

03 Restore controlled network access

1 Connect through the approved network

Use the Ethernet interface and the site-approved cable and network path. Confirm that the board and terminal address settings are compatible. The board supplies no firewall protection, so segmentation and access controls remain the responsibility of the installation.

2 Test the required services

Verify only the services required by the maintenance design, such as HMI access, file transfer and drive-specific communication. A successful network discovery does not prove that every protocol or application is supported. Retain the limited DPI/PCCC scope when validating an engineering tool.

Link	Correct Ethernet connection
Addressing	No conflicting device identity
Service scope	Only approved application traffic

80190-780-01-R / Control resets and updates

04 Control resets and updates

1 Plan the communication interruption

A hardware reset restarts the HMI module and drops its active communication sessions. Coordinate the interruption with operations and reconnect the terminal or tool afterward. Do not use the reset button as a substitute for a drive stop, isolation command or safety function.

2 Review package contents before download

Determine whether the selected package includes HMI firmware, drive firmware, SD files or a combination. Use the required drive state and authorized update procedure. Accept the result only after the board validates the package and the expected applications reconnect; retain any failure status for diagnosis.

Reset	Communication impact understood
Package	Contents and intended revisions reviewed
Validation	Completion status retained

80190-780-01-R / Verify the HMI installation

05 Verify the HMI installation

1 Check operation and storage continuity

Confirm the correct drive identity, usable HMI screens, intended communication and access to retained files. Check that a hardware exchange has not removed job-specific documentation or changed the wrong device address. Record the installed board and the final software combination.

2 Define the handover boundary

Include network settings, backup locations, switch positions and the tested application functions in the handover. Keep unsupported USB data-port expectations out of the acceptance record. Any change to the network or drive firmware requires its own applicable review and testing.

Technical basis: Rockwell Automation PowerFlex 7000 HMI Offering With Enhanced Functionality User Manual, 7000-UM201D-EN-P.

Related product navigation

- Allen-Bradley 80190-540-05-R
- Allen-Bradley 80190-600-01-R
- Allen-Bradley 80190-640-02-R

These are related references, not confirmed substitutes or an automatically approved assembly.