



DH-485 Communication Interface

Series A, Revision B
Catalog Number 1770-KF3

Use these release notes with the *DH-485 Communication Interface User's Manual* (Publication 1770-6.5.18, May 1991), and with the *DH-485 Communication Interface Release Notes* (Publication 1770-6.5.18-RN1, July 1991).

Enhancements in Revision B

The firmware in Revision B of the DH-485 Communication Interface has been upgraded to eliminate the possibility of a checksum error (error 2) occurrence during a quick powerdown/powerup cycle.

To upgrade the firmware, you will download the data on one of the disks provided, from a DOS-compatible computer to the KF3, via an RS-232 cable. You will then apply the Revision B label to the KF3, to identify it as containing Revision B firmware.

Contents of the Upgrade Kit

The upgrade kit contains:

- one 3 1/2" 720k disk
- one 5 1/4" 360k disk
- one Revision B identification label
- this Release Note

System Requirements

In order to download the Revision B upgrade from one of the disks provided, you need a DOS-compatible computer with a 5 1/4" or 3 1/2" disk drive and a serial port, and a cable to connect it to the KF3.

Allen-Bradley Motors

Construct a Download Cable

If you do not have an RS-232 cable already connecting the KF3 and the computer, you will have to build one. Use one of the following pinouts:

Figure 1
Three-wire Connection to IBM Computer (25 pin)

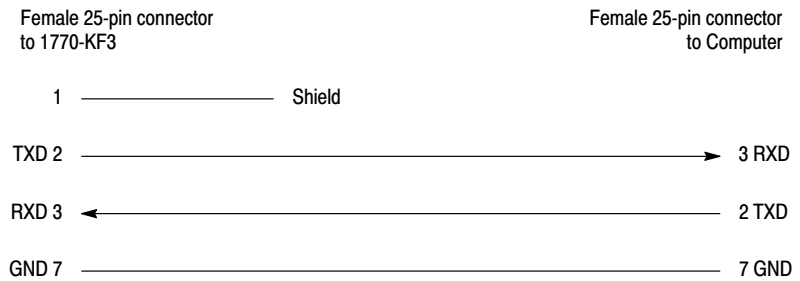
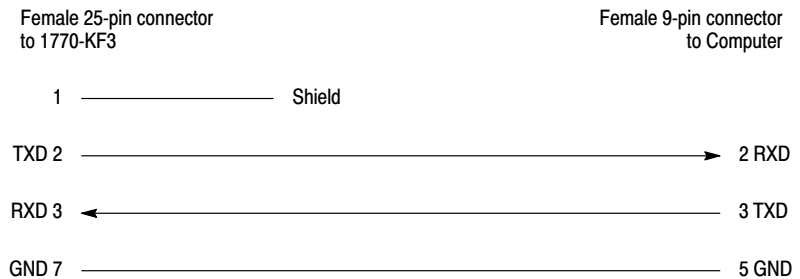


Figure 2
Three-wire Connection to IBM Computer (9 pin)



Note: Handshake signals are not required for downloading.

Download the Revision B Firmware

Follow these steps to download the Revision B firmware into the KF3. Before beginning, be sure the computer and the KF3 are switched off.

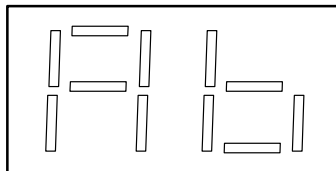
1. Using the RS-232 cable, connect the computer to the KF3.
2. Disconnect the KF3 from the DH-485 network.
3. Switch on the KF3 and the computer.



CAUTION: Do not switch off the KF3 or in any way allow power to be interrupted during the download. If possible, use an uninterruptible power supply. If power is lost during the download, it may be necessary to return the KF3 to your Allen-Bradley representative for servicing.

4. If your KF3 is using any configuration parameters other than the default configuration, write down the parameters. Refer to Chapter 3, *Configuring the KF3*, in the *DH-485 Communication Interface User's Manual*, for information on viewing and setting the KF3's configuration parameters.
5. Press the *View* button to enter Configuration mode, and then press the *View* and *Data* buttons simultaneously. This resets all communication parameters to the factory defaults. Press *View* and *Exit* simultaneously to save the parameters.
6. Insert one of the disks provided into the computer's floppy disk drive and log onto that drive.
7. Depending on the COM port the KF3 is connected to, type *either*:
UPGRADE COM1 *press Enter*
or
UPGRADE COM2 *press Enter*
8. The download will begin, and will take up to one minute. Wait for an on-screen message that the download is complete before continuing.
9. The firmware revision of a KF3 can be displayed in the bottom LED display. To verify that the firmware has been correctly upgraded: Press the *View* button to enter Configuration mode, then press *Data* to scroll through the basic communication parameters. The "A" parameter shows the current series and revision. The display should indicate Series A, Revision B, as shown below.

Figure 3
LED Display showing KF3 Series A, Revision B firmware



Release Notes

DH-485 Communication Interface

10. Restore the original configuration options for the KF3 and the computer's COM port (if they were different from the default configuration).
11. Reconnect the KF3 to the DH-485 network as before.

Apply the Revision B Identification Label

On the bottom of the KF3, there is a label identifying the series and revision of the unit. Apply the Revision B label beside the word REV, covering the previous revision letter.



ALLEN-BRADLEY
A ROCKWELL INTERNATIONAL COMPANY

As a subsidiary of Rockwell International, one of the world's largest technology companies — Allen-Bradley meets today's challenges of industrial automation with over 85 years of practical plant-floor experience. More than 13,000 employees throughout the world design, manufacture and apply a wide range of control and automation products and supporting services to help our customers continuously improve quality, productivity and time to market. These products and services not only control individual machines but integrate the manufacturing process, while providing access to vital plant floor data that can be used to support decision-making throughout the enterprise.

With offices in major cities worldwide

**WORLD
HEADQUARTERS**

Allen-Bradley
1201 South Second Street
Milwaukee, WI 53204 USA
Tel: (414) 382-2000
Telex: 43 11 016
FAX: (414) 382-4444

**EUROPE/MIDDLE
EAST/AFRICA
HEADQUARTERS**

Allen-Bradley Europa B.V.
Amsterdamseweg 15
1422 AC Uithoorn
The Netherlands
Tel: (31) 2975/60611
Telex: (844) 18042
FAX: (31) 2975/60222

**ASIA/PACIFIC
HEADQUARTERS**

Allen-Bradley (Hong Kong)
Limited
Room 1006, Block B, Sea
View Estate
28 Watson Road
Hong Kong
Tel: (852) 887-4788
Telex: (780) 64347
FAX: (852) 510-9436

**CANADA
HEADQUARTERS**

Allen-Bradley Canada
Limited
135 Dundas Street
Cambridge, Ontario N1R
5X1
Canada
Tel: (519) 623-1810
FAX: (519) 623-8930

**LATIN AMERICA
HEADQUARTERS**

Allen-Bradley
1201 South Second Street
Milwaukee, WI 53204 USA
Tel: (414) 382-2000
Telex: 43 11 016
FAX: (414) 382-2400

Allen-Bradley Motors