R A D I O N I C S

READYKEY® K6005
CNC Software Upgrade Kit SS-MS

Description

The contents of this kit are:

|		
1	EPROM	marked K6000 MS v1.10 1 of 2
1	EPROM	marked K6000 MS v1.10 2 of 2
1	PAL	marked SCO36

These devices will allow you to upgrade an existing Readykey Single Site Central Network Controller to Multi-Site.

Installation

IMPORTANT

Anti-static handling precautions should be taken at all times while following this procedure.
- Keep all components in their packaging until needed.
- Discharge any static build-up by touching the metal back plate.
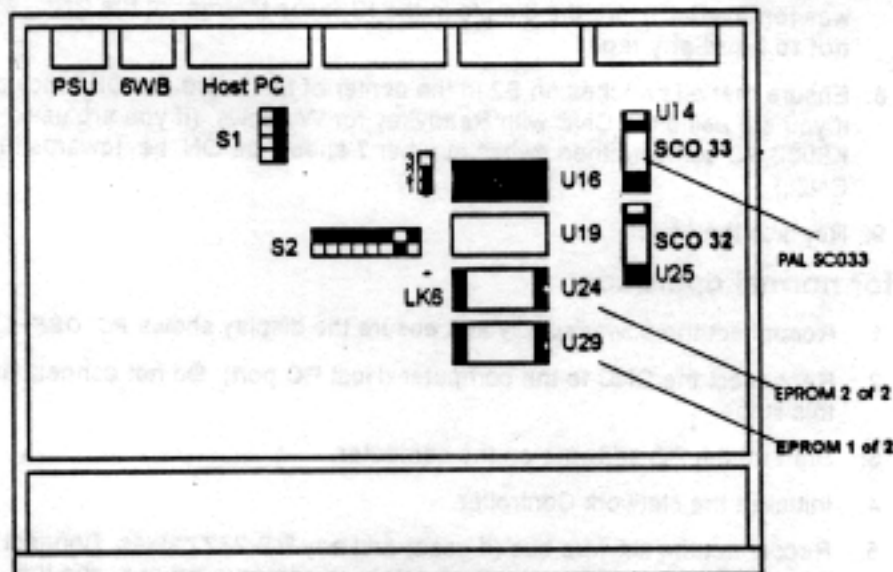
Readykey Single Site Network Controller

Installation

Network controllers with software earlier than version SR734 used a single EPROM located in socket U29, nearest the front. Versions since SR734, including this update, use two EPROMs.

To remove the cover:

1. Ensure that all transactions have been received from the CNC, this will be when no events have appeared on the screen or printer for at least one minute, and *MONITORING* is being displayed on the screen. Remove the Six-Wire Bus cable from the rear of the CNC.

2. Remove the Power Supply and Host PC connections.

3. Remove the 6 screws securing the cover. These screws are located on the underside of the unit, 3 on each side. **Note:** do not remove the 3 screws along the front of the unit securing the front bezel.

4. Remove the cover by sliding it towards the back.

The main circuit board will now be revealed. There are 3 sockets in the center and slightly to the right, one or two of which will have a white labeled EPROM.

To replace the Software:

1. Note the orientation of each device. There is a small dimple on the right hand edge of each chip as it rests in the socket.

2. Use an IC extractor, or a small flat bladed screwdriver inserted under the chip at each end of the socket, to remove the front EPROM in the socket U29 (marked 1 of 2). Take care not to damage the legs as they leave the socket.

3. Insert the replacement EPROM (marked 1 of 2) in exactly the same socket and orientation (dimple towards the right), **taking great care not to bend any legs.**

4. Repeat for 2nd EPROM in socket U24 (marked 2 of 2).

5. If the old software was on one EPROM then you will need to move the link, LK6, from its current position, marked 3-2, towards the front of the board to position 2-1.

6. Remove the PAL (IC) labeled SCO33 in socket U14 using an IC extractor or small flat bladed screwdriver.

7. Install the supplied PAL labeled SCO36 in the location from which the SCO33 PAL was removed. Ensure the dimple in the IC faces the rear of the CNC, and **take care not to bend any legs.**

8. Ensure that all switches on S2 in the center of the board are OFF including number 7 if you are using the CNC with Readykey for Windows. (If you are using the CNC with K6000 PC software then switch number 7 should be ON, i.e. towards the front of the CNC.)

9. Replace the cover.

Check for normal operation:

1. Reconnect the power supply and ensure the display shows *PC OFF-LINE*.

2. Reconnect the CNC to the computer (Host PC port). Do not connect anything else at this stage.

3. Start up the PC software on the computer.

4. Initialize the Network Controller.

5. Reconnect the six-wire bus (if used) and any RS-232 cables. Connect to all sites and ensure that all door controllers re-establish communications, and that you are now able to communicate to remote sites via RS-232.