
DR4500/DR 4500A Circular Chart Recorder Kit Instruction Password Configuration Key (30756493-501)

Form: 44-45-33-39A
Effective: 8/95
Supersedes: 44-45-33-39 Dated 4/92

Summary

This instruction sheet provides the necessary information to replace an unknown password with a new password for the DR4500 and DR4500A circular chart recorder. The password configuration key (part number 30756493-501) provided with this instruction sheet allows access to the **Set Up Lockout** menu to replace the unknown password.

WARNING

Never access components inside the case with the power applied.

Installation instructions

The password configuration key can be used in the DR4500 or the new design DR4500A recorders.

DR4500 Password key installation instructions are in Table 1.

DR4500A Password key installation instructions are in Table 2.

Changing the unknown password

After completing the steps in Table 1 or Table 2, change the unknown password using the steps in Table 3.

Universal Password

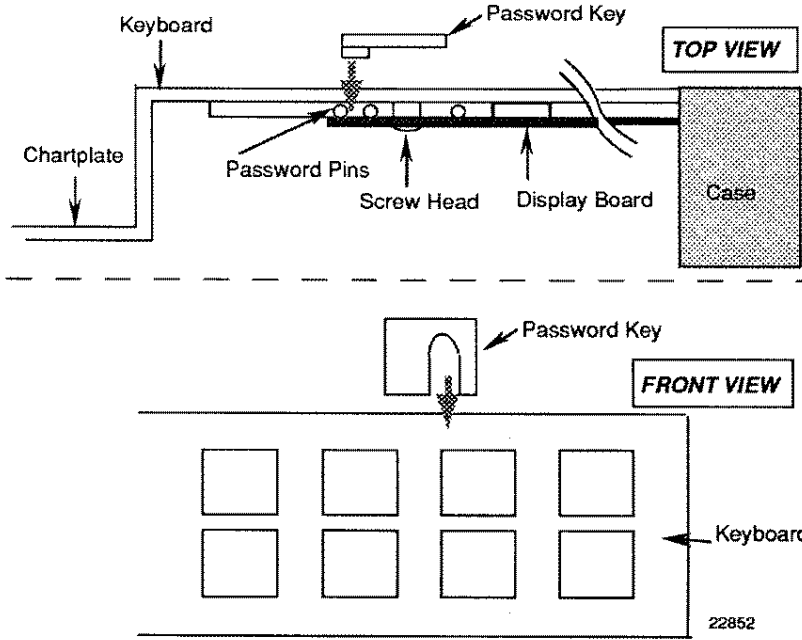
If you have a Model DR4500A with software version 10.52 or greater, there is a universal password **1502** that will allow you access to the Lockout group. You do not have to use this password key.

Check the S1 switch for locked position

The configuration can also be locked out using the S1 lockout switch on the Main printed circuit board. Check the S1 switch to see if the switch is in the ON (UP-Locked) position. *Refer to Page 6 in this instruction for information about changing the switch position.*

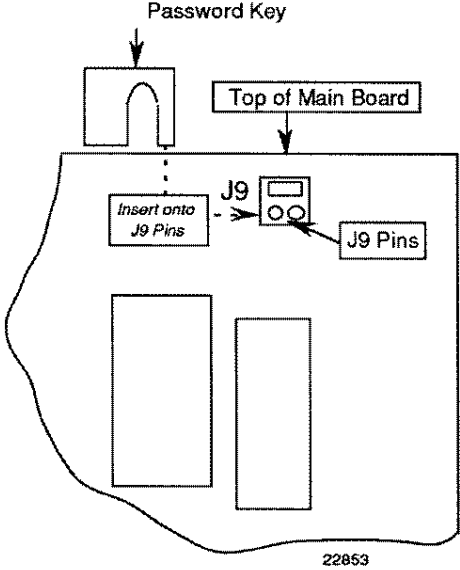
Power down the recorder, open the recorder door and follow the procedure in Table 1 to install the password configuration key into Model DR4500.

Table 1 - DR4500 Password Key Installation Procedure

Step	Result or Action
1	Unscrew the captive screw in the chart plate and pull the chart plate open.
2	<p data-bbox="573 314 1406 405">Orient the jumper side of the key to the password pins and place the password configuration key in the slot between the chart plate and the display board as shown in the figure below.</p>  <p data-bbox="573 1080 1406 1161">The cutout should straddle the display board mounting post directly behind the screw. The jumper should engage the password pins on the display board.</p>
3	<p data-bbox="573 1181 1406 1241">Gently close the chart plate until the password key rests against the case.</p> <p data-bbox="573 1262 1406 1312">ATTENTION The door will not fully close with the key in place.</p>
4	Power up the recorder. Go to Table 3 to change the unknown password

Power down the recorder, open the recorder door and follow the procedure in Table 2 to install the password configuration key into Model DR4500A.

Table 2 - DR4500A Password Key Installation Procedure


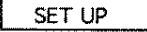


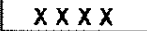
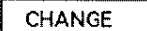




Step	Result or Action
1	Unscrew the captive screw in the chart plate and pull the chart plate open.
2	<p>Locate Jumper J9 on the top of the Main Printed Circuit Board</p>  <p>Orient the Password key and insert it onto the J9 pins. The jumper should engage the password pins on the Main board.</p>
3	Gently close the chart plate.
4	Power up the recorder. Go to Table 3 to change the unknown password.

Changing an unknown password

After installing the password key according to the directions in Table 1 or Table 2, you can change the unknown password.

Follow the steps in Table 3.

Table 3 Changing an Unknown Password Procedure

Step	Description	Press	Action/Result
1	Enter Lockout Set Up Group		until you see: Upper Display  Lower Display 
2	Display and change the current password		You will see: Upper Display  Lower Display  ATTENTION If ++++PASSWORD is displayed, make sure the Password key is properly engaged on the password pins, then press the "FUNC" key until you see the "CHANGE" display. <i>If the original password is displayed, maximum lockout has been selected. Go to Table 4</i>
		 or 	to change to the desired password.
3	Enter the password		Stores the selected password.
4	Verify the password entry		The "CHANGE" prompt should show the new password.
5	Remove the key		Power down the recorder and remove the Password key. Secure the chart plate with the captive screw.
6	Restore power		Restore power. The password can now be changed without using the password key.



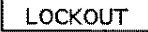

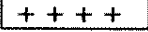
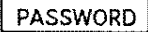










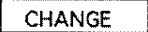


Changing Maximum lockout

If the original password is displayed, maximum lockout has been selected and will not allow the password to be changed.

Record the original password and remove the password configuration key.

Follow the steps in Table 4 to enter a new password.

Table 4 Changing Maximum lockout

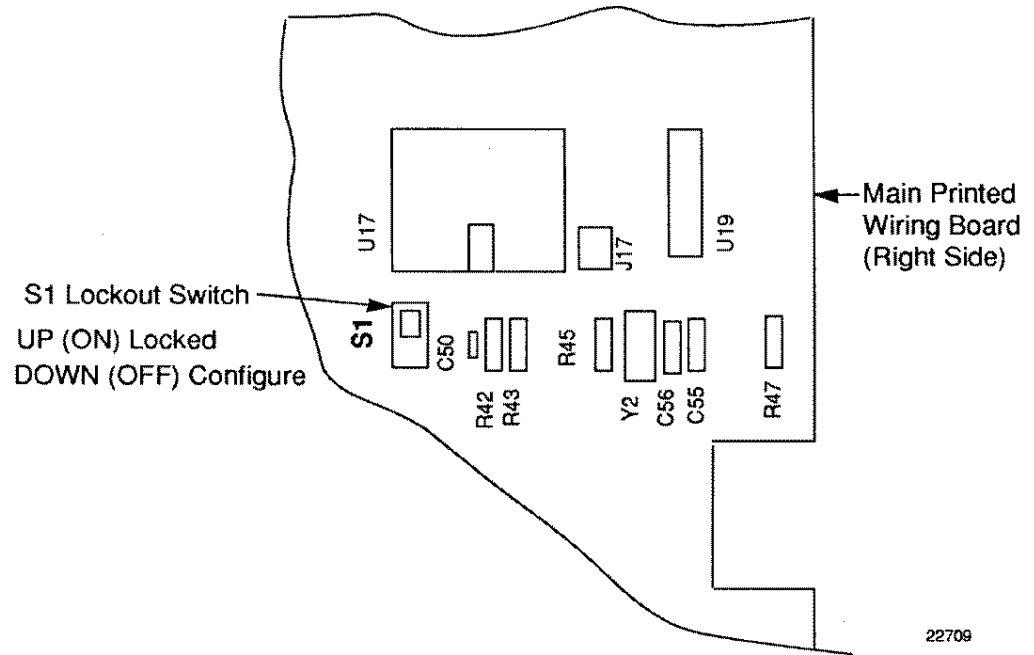
Step	Description	Press	Action/Result
1	Enter Lockout Set Up Group		until you see: Upper Display  Lower Display 
2	Display and change the current password		You will see: Upper Display  Lower Display 
		 or 	to change to the password previously recorder.
3	Enter the password		Stores the selected password.
4	Change the Lockout level to "CALIB"		until you see: Upper Display  Lower Display 
		 or 	to change to "CALIB"
6	Enter a new password		until you see: Upper Display  Lower Display 
7		 or 	to enter a new password.

Lockout switch configuration

The configuration can be locked using S1 switch located next to the microprocessor U17 on the main printed circuit board.

Restrictions based on lockout switch position

The figure below shows the location of the S1 lockout switch on the main printed circuit board.



When the lockout switch is OFF (**Down**—Configure):

- You can view and change all applicable operating parameters as described in the product manual (*Section 4 – Configuration Parameter Definitions.*)

When the lockout switch is ON (**Up**—Locked):

- Most parameters for the recorder are locked and the parameters may not be changed except for Tuning 1 and Tuning 2 parameters and adjustments to time/date/day/year.