

WEB CONTROL PRODUCTS

User Manual



TC820 Front Panel Replacement

In accordance with Nexen's established policy of constant product improvement, the specifications contained in this manual are subject to change without notice. Technical data listed in this manual are based on the latest information available at the time of printing and are also subject to change without notice.

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www.nexengroup.com



DANGER

Read this manual carefully before installation and operation.

Follow Nexen's instructions and integrate this unit into your system with care.

This unit should be installed, operated and maintained by qualified personnel **ONLY**.

Improper installation can damage your system or cause injury or death.

Comply with all applicable codes.

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ISO 9001 Certified

PANEL REPLACEMENT

NOTE: Before replacing the TC820's front panel assembly, the setup parameters of the original panel must be retrieved for use in the new panel.

Follow these steps to retrieve those values:

1. Find DIP Switch SW2 on the printed circuit board mounted to the front panel (See Figure 1); move switch number 3 of SW2 to the up (on) position.
2. Turn the TC820 on using the Power Switch located inside upper right corner of the back panel. (See Figure 2).
3. Press and hold the SElect Key until the SElect Indicator illuminates (See Figure 3). The No. 1, No. 2, and TOTAL Tension Sensor Display Indicators will extinguish (See Figure 3).

NOTE: A single red Indicator in the Output Level array indicates the current function for data retrieval. The Tension Indicator displays the data corresponding to that function.

4. Press the AUTO Key up arrow until the SET1 function indicator is on (See Figure 3).
5. Record the value from the Tension Indicator display in Table 1.
6. Press the AUTO Key down arrow to select the next function.
7. Repeat steps 5 and 6 until CALIBRATION function is reached. Skip CALIBRATION and use the AUTO Key down arrow to select MODE function.
8. Record the MODE function value from the Tension Indicator display.
9. Turn the TC820 off using the Power Switch.

Table 1
 TC820 Original Settings

Function	Value
SET 1	
SET 2	
SET 3	
TAPER	
START LEVEL	
START TIMER	
STOP LEVEL	
STOP TIMER	
ZERO LEVEL	
GAIN	
FILTER	
MODE	

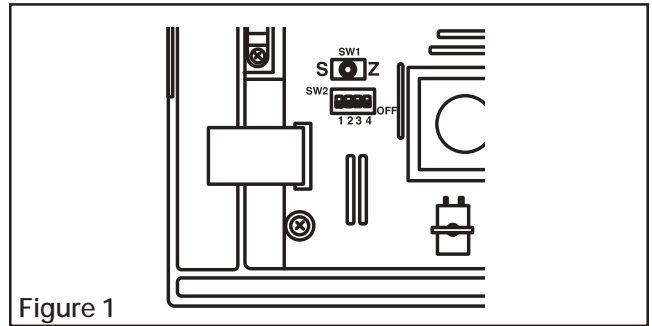


Figure 1

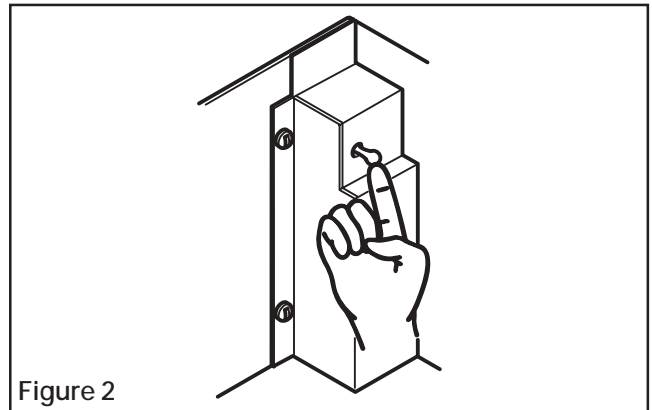


Figure 2

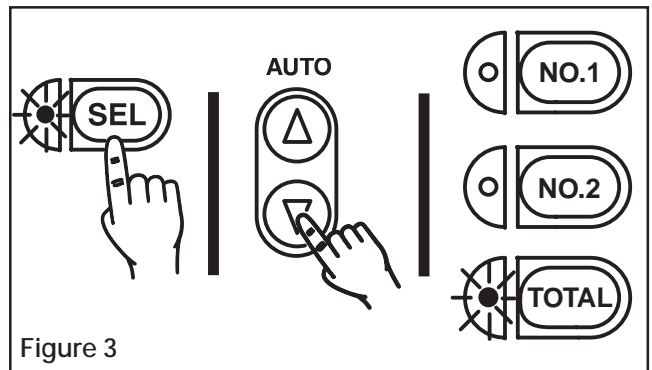


Figure 3

After retrieving the settings of the original front panel assembly, the new assembly can be installed by following these instructions (Refer to Figures 4 and 5):

1. Turn the TC820 off using the Power Switch located inside upper right corner of the back panel (See Figure 2).
2. Disconnect the gray wide ribbon cable from the front panel printed circuit board by pressing the ejector levers away from the connector.
3. Disconnect the green ground wire from the printed circuit board.
4. Remove the four machine screws that fasten the front panel hinge to the TC820 case.
5. Remove the new front panel assembly from the anti-static packaging and place the original panel inside it.
6. Mount the new front panel to the case.
7. Reconnect the ground wire to the printed circuit board.
8. Reconnect the gray ribbon cable by pressing it in the connector on the printed circuit board, it is keyed to only go in one way.
9. Ship the original front panel back to Nexen.

NOTE: Following the instructions in the manual provided with your TC820 (L-20289) re-enter all the setup data from Table 1 and re-calibrate the tension sensors.

A TC820 manual can be downloaded from Nexen's website at www.nexengroup.com.

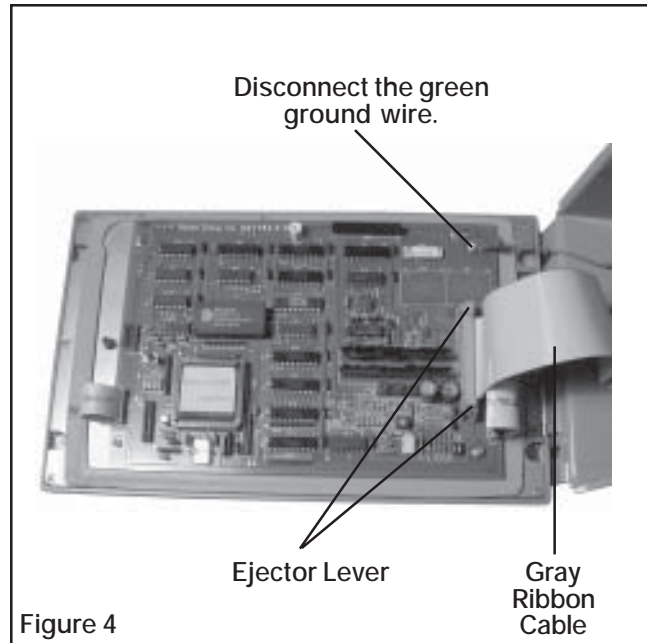


Figure 4

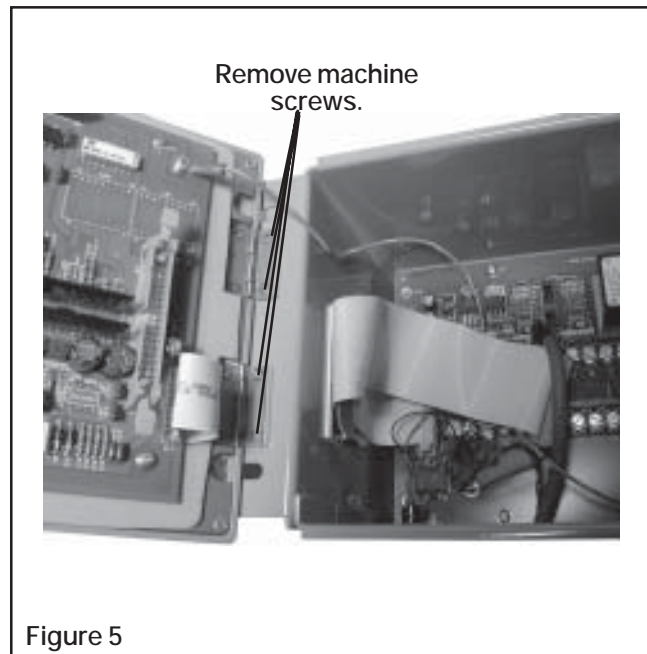


Figure 5



WARRANTY

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Nexen warrants that the Products will be free from any defects in material or workmanship for a period of 12 months from the date of shipment. NEXEN MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. This warranty applies only if (a) the Product has been installed, used and maintained in accordance with any applicable Nexen installation or maintenance manual for the Product; (b) the alleged defect is not attributable to normal wear and tear; (c) the Product has not been altered, misused or used for purposes other than those for which it was intended; and (d) Buyer has given written notice of the alleged defect to Nexen, and delivered the allegedly defective Product to Nexen, within one year of the date of shipment.

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