

Trendsetter NEWS

External Status Lights Indicator Installation

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Revision History

Revision	Date	Author	Comments
A	May 2005	Ming Z.	Initial release of document
B	Sept.14,2005	Ming Z.	Revised to include extension cable

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1. BACKGROUND

In response to requests from some Trendsetter® NEWS customers, Creo has developed an external status lights indicator to which an additional corner status LED display board can be connected at a location away from the device, thus greatly increasing the operational efficiency of their press room.

The upgrade kit provides a cable with one standard 9-pin male DSUB connector, a 100 feet extension cable, and a Creo-made status LED display board.

Note: This upgrade is not a field change order (FCO). It is an option that customers must purchase if they want it. Contact your district manager if you need information on availability and pricing.

This document provides:

- Interface and status LED display board specifications
- A list of parts included in the kit
- A list of parts not included in the kit that the customer must supply, based on their particular needs
- A detailed installation procedure

2. DEPENDENCIES

- MCE-based Trendsetter NEWS output device with new tricolor LED autoloader status lights installed
- MCE Trendsetter NEWS Controlled Release 3.1 or later

3. PARTS REQUIRED

3.1 Upgrade Kit, Part Number 518-01294A

Part Number	Description	Quantity
220-01271A	Cable assembly, external status light interface	1
18-3017	Cable ties	5
18-3049	Cable ties	2
503-00103B	Board assembly, status lights, CL	1
308-00012	Spacer, M3 x 16, hexagonal, aluminum	4
52-7205	Screw, M3 x 4, socket-cap, steel-plated	4
52-4458	Screw, M3 x 8, socket-cap, steel-plated	4
220-00752A	CAB, ASSY, DB9 M-F, 100' SCRWCK	1

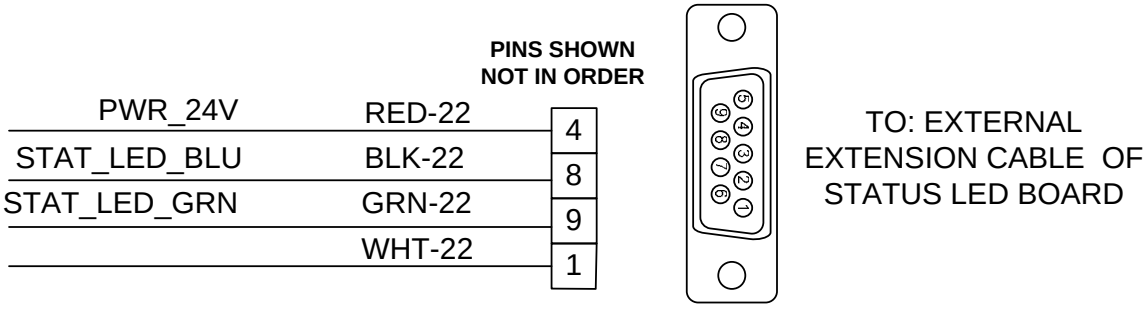
3.2 Customer Must Supply

- Status LED display board mounting housing and accessories

4. INTERFACE AND STATUS LED DISPLAY BOARD SPECIFICATIONS

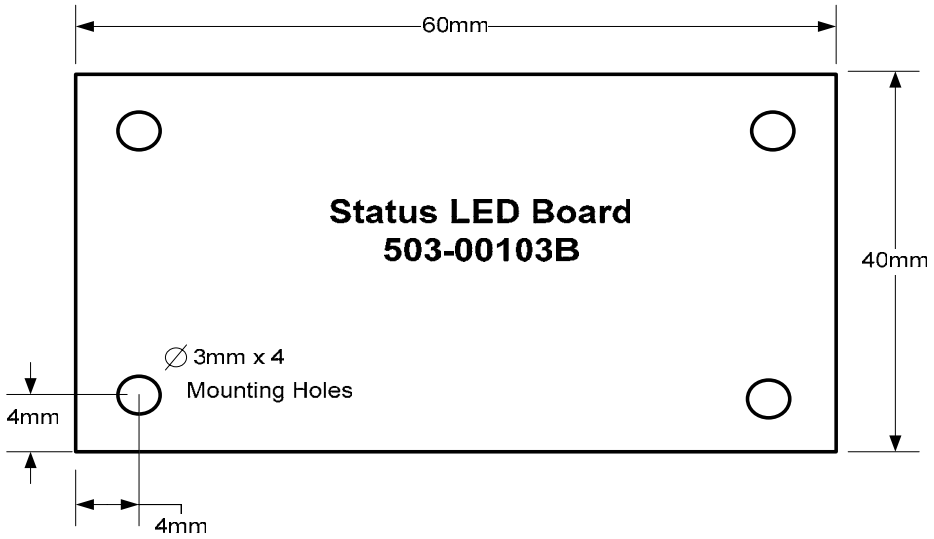
4.1 Interface Specification

A standard female 9-pin DSUB connector, as part of interface cable 220-01271A, is provided. The Trendsetter NEWS device supplies the 24 VDC power.The LEDs of each color are turned on by switching that color signal line to ground. For example, to turn on green LEDs, switch the signal line STAT_LED_GRN to low (ground level).



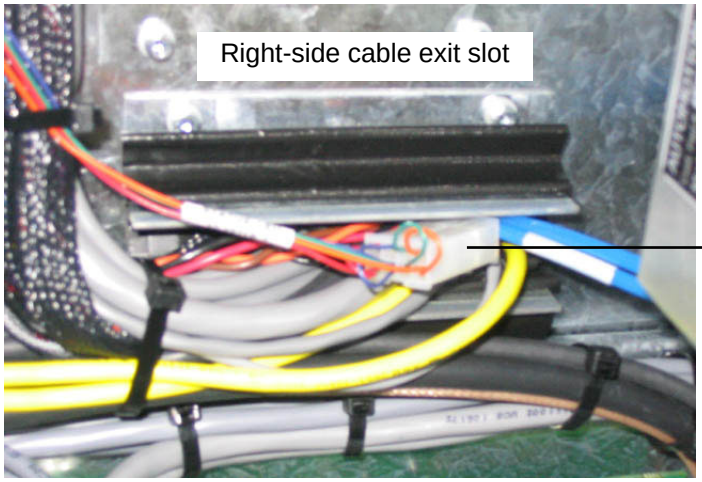
- Maximum driving current supplied by this connector for each color of LEDs is 90 mA.
- Only one color of LEDs can be turned on at a time.

4.2 Status LED Display Board Dimensions

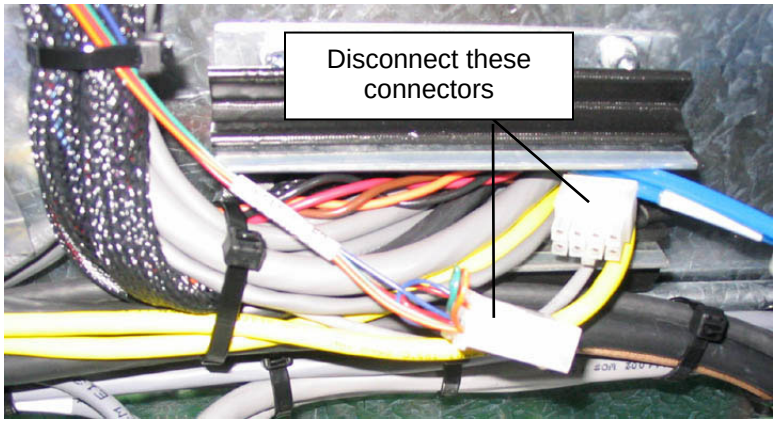


5. UPGRADE PROCEDURE

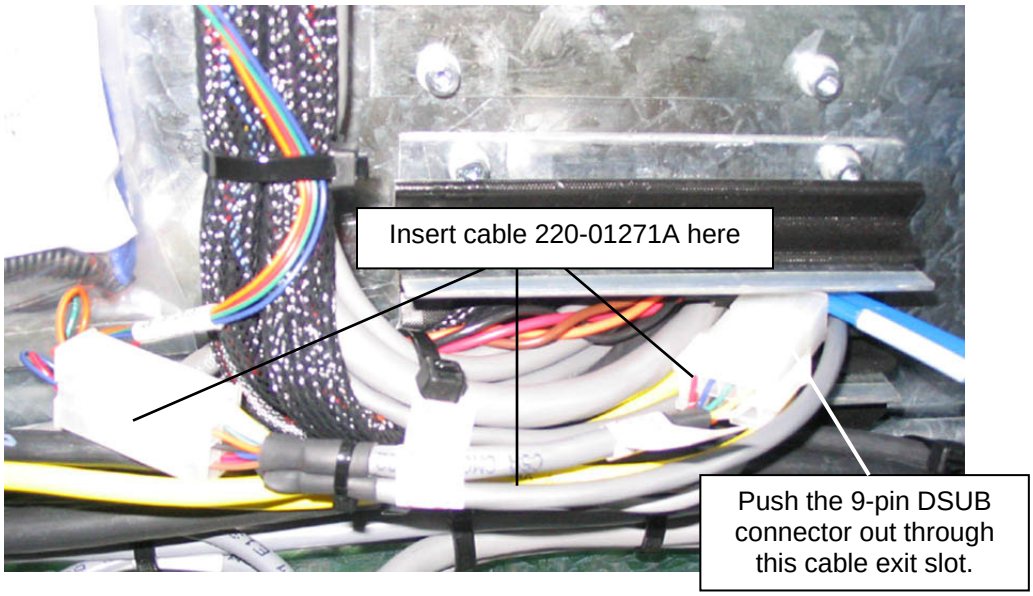
1. Turn off the main power switch and open the power box side panel and cover.
2. At the back side wall of inside power box, locate the 8-pin Molex® Mini-Fit® connectors between cable 10-4871 and 220-00733 near the right-side cable exit slot. (See the following figure.)



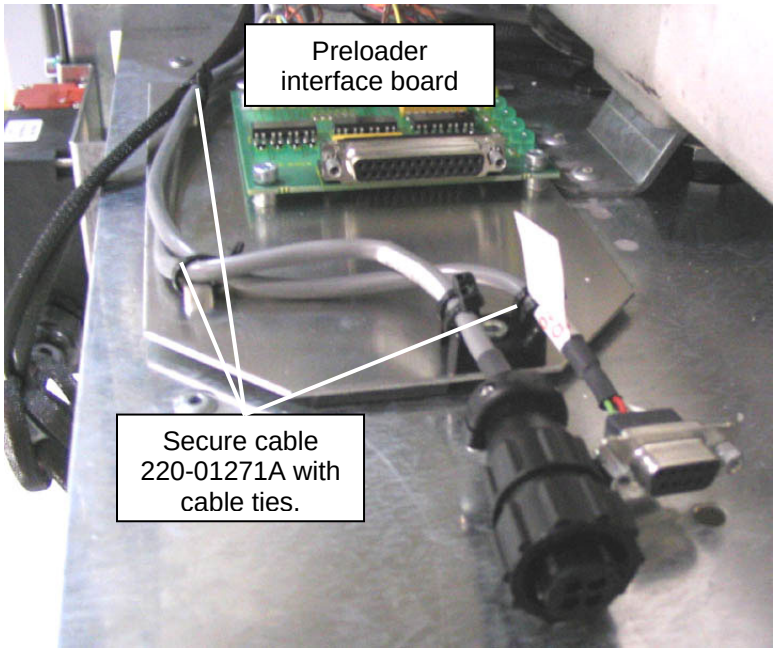
3. Disconnect the 8-pin Molex Mini-Fit connector.



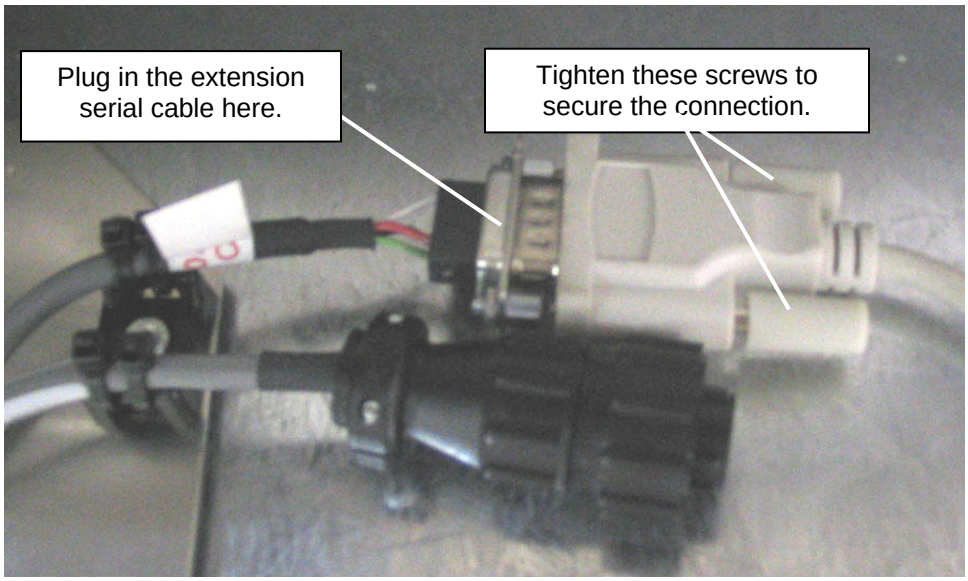
4. Insert cable 220-01271A between these two connectors and push the 9-pin DSUB connector with the cable out through the cable exit slot as shown.



5. Open the front panel of the output device to access the outside rear of the power box.
6. Route cable 220-01271A along the back side of the power box towards the mounting point on the frame floor, using cable ties to secure the cable along the way. (See the following figure.)

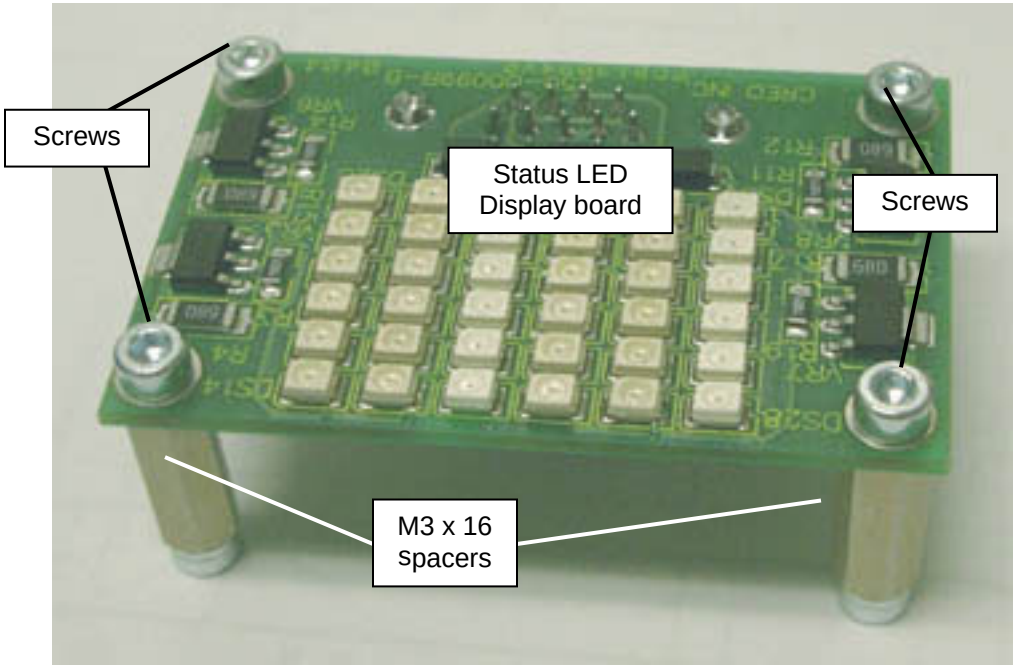


7. Use the included extension cable 220-00752A, plug the 9-pin female connector end into cable 220-01271A(See the following picture), tighten screws to secure the connection.



8. Route the extension cable along the device frame floor towards the desired cable exit location, and bring the cable out from the device.

9. Mount the status LED display board into a customer-supplied housing or mounting apparatus. Either use Creo-supplied spacers and screws (as shown in the following figure) or other customer-supplied mounting accessories.



10. Connect the other end of the extension cable to status LED display board connector J1.

11. Close the power box cover and both the side and front panels.

12. Turn on the power to the Trendsetter NEWS output device.

13. Test the external status lights interface and connection to the status LED display board by entering one of the following commands in Service Shell.

    a) To turn on the yellow lights:

    ```
    ui errlamp on
    ```

    Or to flash yellow lights:

    ```
    statuslights yellowf
    ```

    b) To turn on blue lights:

    ```
    statuslights blue
    ```

    Or to flash blue lights:

    ```
    statuslights bluef
    ```

    c) To turn on green lights:

    ```
    statuslights green
    ```

    Or to flash green lights:

    ```
    statuslights greenf
    ```

    d) To turn off any color lights:

    ```
    statuslights off
    ```

    Or to turn off yellow lights only:

    ```
    ui errlamp off
    ```

14. If any of the color LEDs do not pass the test described in step 13, double-check all the connections and perform troubleshooting if required.