Wireless L.E.D Production Status - ANDON - Indicators

We make LED display boards with LED's of various sizes, brightness and colours. We make boards as per your specification and layout.
Our boards can accept inputs from various sources including Your **PC**, **RS232**, **RS485, RF, PLC**, **Relay contacts**, **DC Input**, **Hand Held Remote Controls (IR)**, **Keypad, SMS** etc.

Just mail your requirement right away - We will revert with complete specs, visuals and estimate within hours by email
We can follow this up with a site visit and a demonstration of the product (wherever possible)

We offer Wireless - RF based solutions for your various In-Factory and In-Office requirements. We can incorporate such RF based wireless interface into our LED production Displays. The Wireless solutions are best suited for transmission of data within the Factory area without any messy connecting cables or connecters. The Transmission and the Receiving units can be shifted from one place to another (within the operational area) without any change in the package settings.

We offer customized solutions to clients and offer tailor made products with speed, economy and reliable performance.

In this PDF we have highlighted the Wireless LED Production Status Indicator.

The Indicators offers live data on Stoppage or Run Conditions of the various machines and equipments at your place and causes for their stoppage.

This is a complete reporting system by itself. The components of this system are as follows:

1. **Status Transmission Console (STC):** This is provided with each machine that is to be monitored.
2. **Signal Receiving Unit (SRU):** Called as the Black Box - This unit polls each and every Status Transmission console and checks for the status / status change and transmits the same to one or more LED display board/s.
3. **LED Display Unit (LDU):** This unit has on one axis the names of the various STC's and on the other axis has the various Run or Stoppage conditions.

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Status Transmission Console (STC)

This can be mounted near each machine / equipment that has to be monitored for Run / Stoppage condition. The operator can select and press the appropriate button on the console by selecting the appropriate condition to be set. Within seconds the status is transmitted to the SRU and then to the LDU. The LED board (LDU) glows the relevant status. Supervisors can immediately be notified about the status of each machine / equipment.

The STC's can be renamed (ID Change) and reconfigured even after installation. Great flexibility is built into the unit for the sake of operational convenience and expansion in the future. This unit can be mounted on a stand or can be placed on a wall.

Confirmation of Transmission of Status / Current Status is displayed on the LCD screen in the STC. Special coding can be done to prevent unauthorised Status Change.

Signal Receiving Unit (SRU):

This can be mounted near the LDU. The SRU or the Black Box continuously polls all the Signal Transmission Units that are mated to it. Then the SRU processes and transmits the various STC status conditions to the LDU or the LED display board Via a simple Communication cable. Signal enhancers can be added or built inside the SRU's to increase the pick up range.

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LED Display Unit (LDU):

This can be mounted at a location where the status can be viewed by any Supervisor or Manager. The LDU draws attention to any change with its High Bright LED's that will be visible up to 250 meters away under ambient lighting conditions. It is connected to the SRU Via a simple communication cable. More than one LDU board can be connected to a single SRU. This means that one board can be placed at the Shop Floor, One at the supervisor's room, one at the manager's cabin etc and all will display identical information

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Illustration:

We give you briefly the technical specs for a system wherein:

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12 machines have to be monitored with 12 STC's

Two LDU boards having identical technical specs – But one is physically bigger and one is physically smaller - have to be installed – The Big one at the shop floor and Small one at the supervisors cabin.

Technical Description:

1. **Size of Indicators:**
    1. Size of Indicators - About 2" high consisting of 9 LED's in 3 x 3 fashion for large box
    2. Size of Indicators - About 10m high consisting of 3 LED's in triangular fashion
    3. Hi Bright LED's to be used on the board - with Red, Green, Yellow and Blue LED's
2. **Functioning of the boards:**
    1. **Wireless Transmitter: Status Transmission Console (STC):**
        1. Selection of keys from 1 to 6 transmits the requisite light to glow
        2. Toggle On and Off
        3. Powered by a 230V power source
        4. LCD indicator indicates the status
    2. **Wireless Receiver: (black box) Signal Receiving Unit (SRU):**
        1. Polls the 12 Wireless Transmitters and reads the status
        2. Sends Data Via RS485 and to the Two LED boards
        3. Receives data from the PC for the Moving message displays on the two boards via RS232
        4. Transmits the data for display on the moving message boards via RS485 - same channel
    3. **Large LED Display / Small LED Display: LED Display Unit (LDU):**
        1. Has one RS485 in port
        2. Receives the Data from the Black Box
        3. If it receives the Light position then the LED's either is switched ON or OFF
        4. If it receives the Moving Message then the moving message displays message sent to it - The display of the LED board is of size - 2.1" x 44..5" and is a simple moving message board.(English Language Only)
        5. On board memory for last saved data.
        6. Powered by a 230V power source

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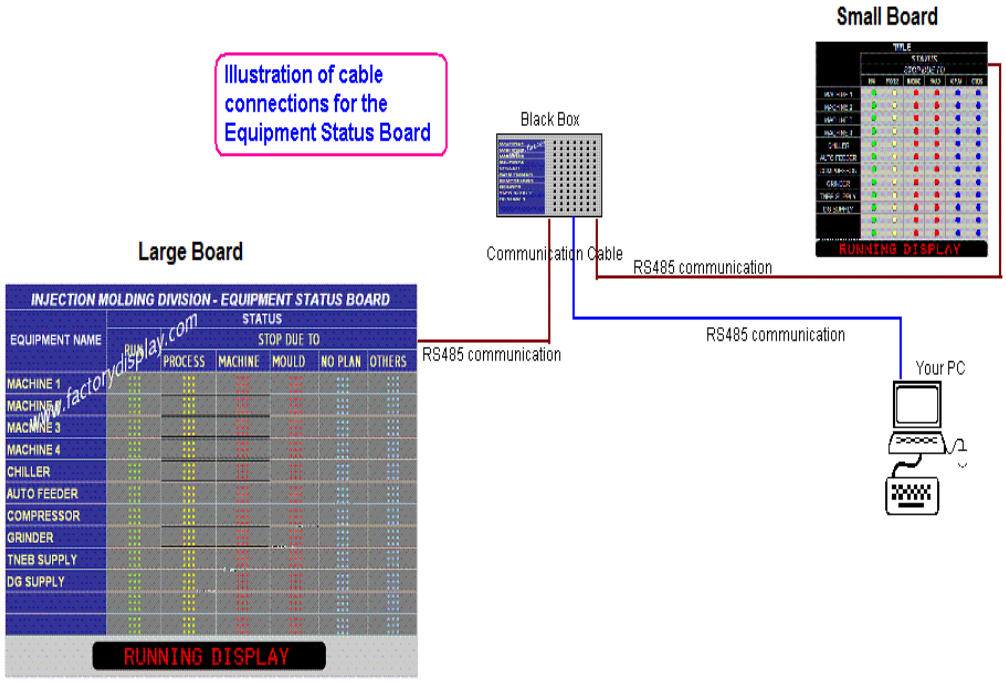
Illustration of Cable connections for the LED Equipment Status Board



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