

Metric Display System

Real-Time Productivity Monitoring

Real-Time Measuring, Displaying, and Reporting of Production Floor Metrics

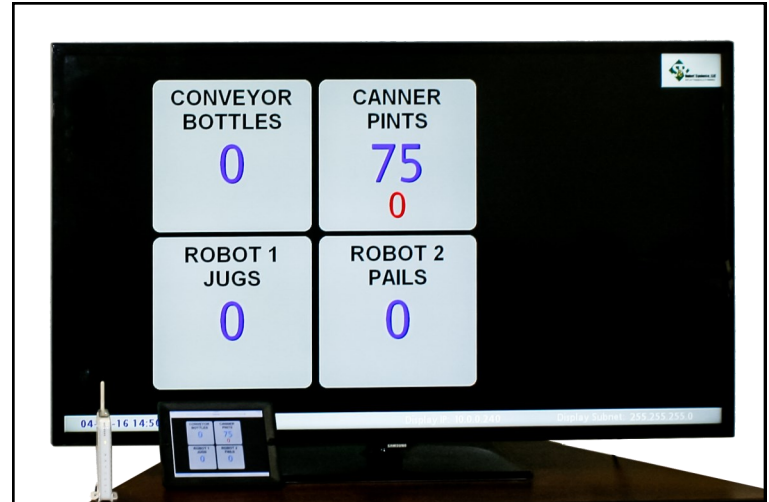
Are you looking for a way to increase productivity, reduce errors in counting units produced, and display production efficiencies? The Metric Display System provides an easy-to-configure, automated solution, for counting throughput and rejects on a production line and/or on manufacturing machines.

The Metric Display System is a plug-and-play system allowing for easy installation and configuration in less than a day. A Counter Station is mounted next to a manufacturing line or machine and plugged into a 120VAC outlet. The Counter Station captures throughput metrics, showing the total count on a local LCD display, and wirelessly sending the metric to the centralized Display Station.

The Display Station wirelessly gathers metrics from multiple Counter Stations and displays metric screens on a standard TV or computer monitor. In addition, the Display Station can connect to a local area network (LAN) to allow remote access with any web-enabled device.

Captured metric data is displayed, real-time, on a standard television or computer monitor. This data is stored in a standard .CSV file, allowing it to be imported into databases. With the Metric Display System, every plant floor operator, office manager, and executive can have remote access to view real-time metric data.

Remotely view the metric screens from any web-enabled device, including tablets and smart phones.



TV is not included. System compatible with any standard 720 or 1080p TV or monitor with DVI or HDMI connection



Featured metric screens

- Bar Graph - Total Units per Hour for last 8 hours
- Total Number of Units Produced & Units Rejected
- Number of Units per Minute averaged over 60 minutes
- Total Units Produced over the last 12, 24, and 48 hours
- Total Units Produced per Shift, (up to 3-shifts)
- Number of days without accident (with reset button)
- Machine down notification with timer (with reason codes)

Metric Display System

Equipment Details

The Metric Display System is designed to operate in an industrial indoor environment. The wall mount enclosures plug into a standard 120 VAC outlet, no electrical wiring required. System configuration is performed through a standard web-browser by connecting a host computer to the Display Station, no programming required. In addition, the Metric Display can be easily expanded by adding more Counter Stations and making simple configuration changes.

Display Station Part Number MDS-DSR-1

Includes...

- Display Station
- DVI to HDMI cable—15 feet long
- HDMI to DVI adapter (for DVI to DVI connections)
- Extended Range Antenna (5dBd Swivel Mount)
- Wall Mounting Hardware
- CompactFlash Card, 2 GB

Counter Station Part Number MDS-CSR-1

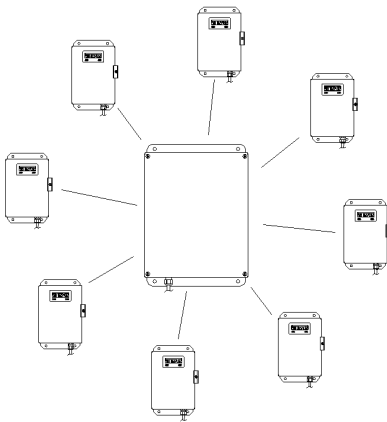
Includes...

- Counter Station
- Extended Range Antenna (5dBd Swivel Mount)
- Wall Mounting Hardware
- 2X NPN Reflective Photo-Eyes
- 2X L-Shaped Photo-Eye Brackets
- 2X Photo-Eye Reflectors
- 2X Photo-Eye Cables (13 feet long)

Product Size: (inches)	Display Station: 13.5(H) x 10.3 (W) x 10.2 (D) Counter Station: 8.0 (H) x 6.0 (W) x 3.5 (D)
Mounting	Wall mount enclosure
Operating Temp	0 to 45°C
Electrical	Display Station: 100-120 VAC 5amps Counter Station: 100-120 VAC 2 amps
Counter Input Connection	24 VDC NPN; Other digital input devices are acceptable.
Photo-Eye Rating	IP 67
Video Output	720P DVI Video Connection (no audio) supports 720 to 1080 TV's with DVI or HDMI
Display Station Connectivity	10/100Base-T(X) Ethernet Port, 2X RS-232, 1X USB Host Port
Wireless Radio	2.5GHz (65mW/100 mW EIRP) Up to 2 miles line of sight distance
Counter Range	0 to 99,999,999

Easily Expandable

Up to 30 Counter Stations can be easily added to a single Display Station



Fully Customizable

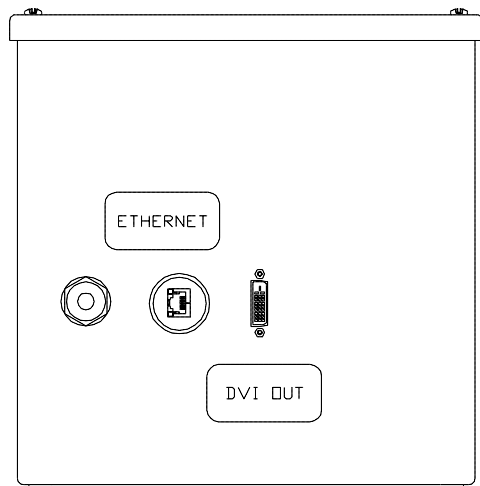
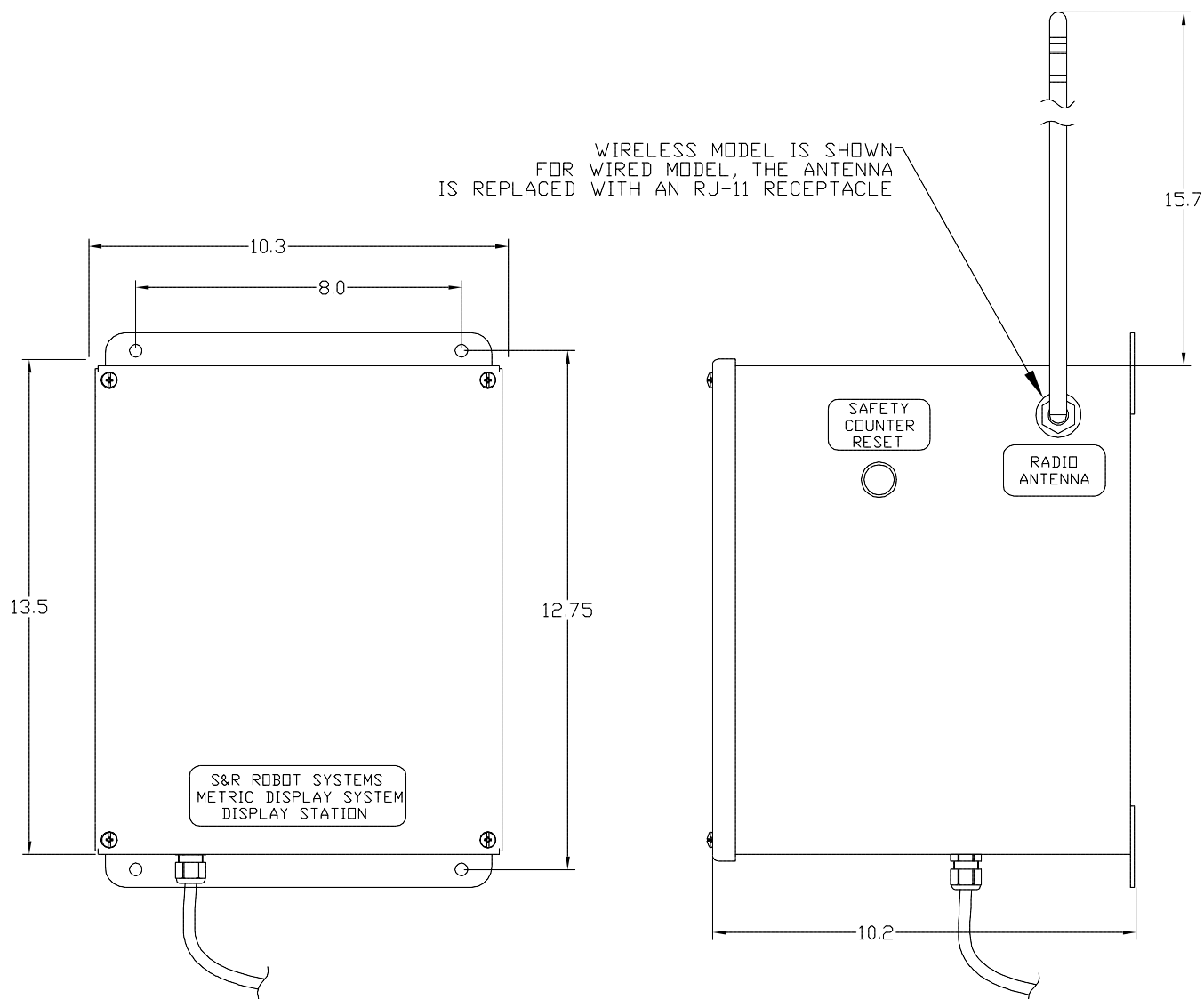
S&R Robot Systems can customize the Metric Display System to meet your manufacturing needs. Metric indicators such as run time hours, tank levels, dwell times, preventative maintenance task, and/or timers can be added to the display system.

In addition, trained personnel has access to customize the Metric Display System. A free, downloadable software can be used to modify the Metric Display Station programs.



See our website for more information about S&R Robot Systems

<http://www.RobotSystemsLLC.com>
972-271-5203



BOTTOM
VIEW

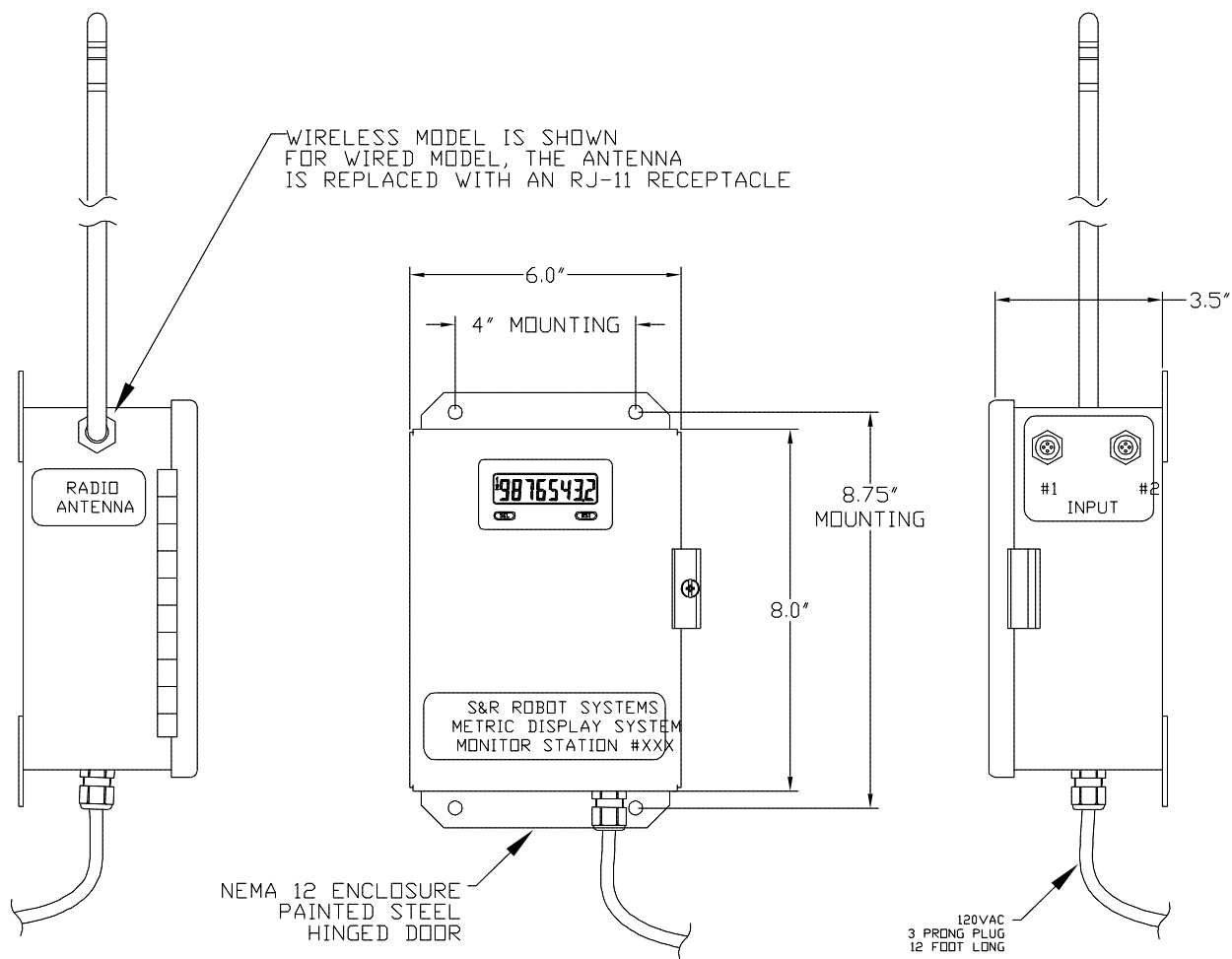
METRIC DISPLAY SYSTEM DISPLAY STATION WITH WIRELESS RADIO			
DATE	12/20/15	SCALE	N/A
DRAWN BY	JBR	CHECKED BY	NA
DRAWING NUMBER		0033-1215A	

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METRIC DISPLAY SYSTEM
COUNTER STATION WITH WIRELESS RADIO

DATE	SCALE	DRAWN BY	CHECKED BY	DRAWING NUMBER
12/20/15	N/A	JBR	NA	0033-1215B

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