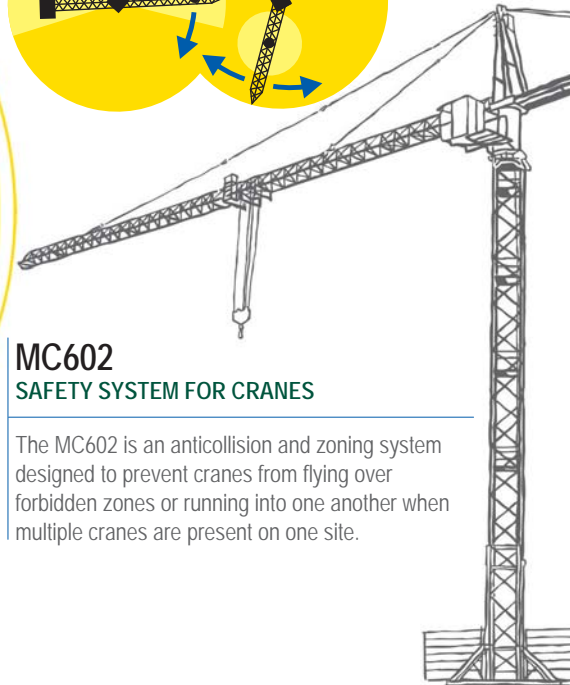
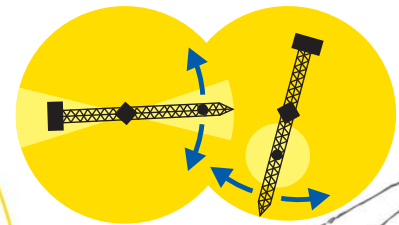




# MC602

## OVERFLYING AND ANTICOLLISION



### MC602 SAFETY SYSTEM FOR CRANES

The MC602 is an anticollision and zoning system designed to prevent cranes from flying over forbidden zones or running into one another when multiple cranes are present on one site.

### WHY CHOOSE LSI?

- **EXPERIENCE.** Load Systems International is a global leader of manufactured anti collision sensors and wireless indicators for the crane and lifting industry. Using the latest technological advancements to develop our state of the art products, we remain ahead of the competition by offering truly unique services that are unsurpassed in the industry.
- **EASY TO USE SYSTEMS.** We take great pride in making powerful yet simple to use systems. Using graphical screens to clearly display crucial information, we use large icons that are easy to see and understand. In addition, we provide you with the training necessary to operate our products safely and efficiently.
- **COMMITMENT TO OUR CUSTOMERS.** Our factory trained technicians and knowledgeable distributors are dedicated to providing you with the best service in the industry. Our representatives are available to assist you 24 hours a day / 7 days a week. Simply call +1.281.664.1330 or email us at [sales@loadsystems.com](mailto:sales@loadsystems.com)
- **NEED MORE INFORMATION?** To view a complete list of our products and services, please visit us on the Web at [www.loadsystems.com](http://www.loadsystems.com)

### WHY USE THE MC602?

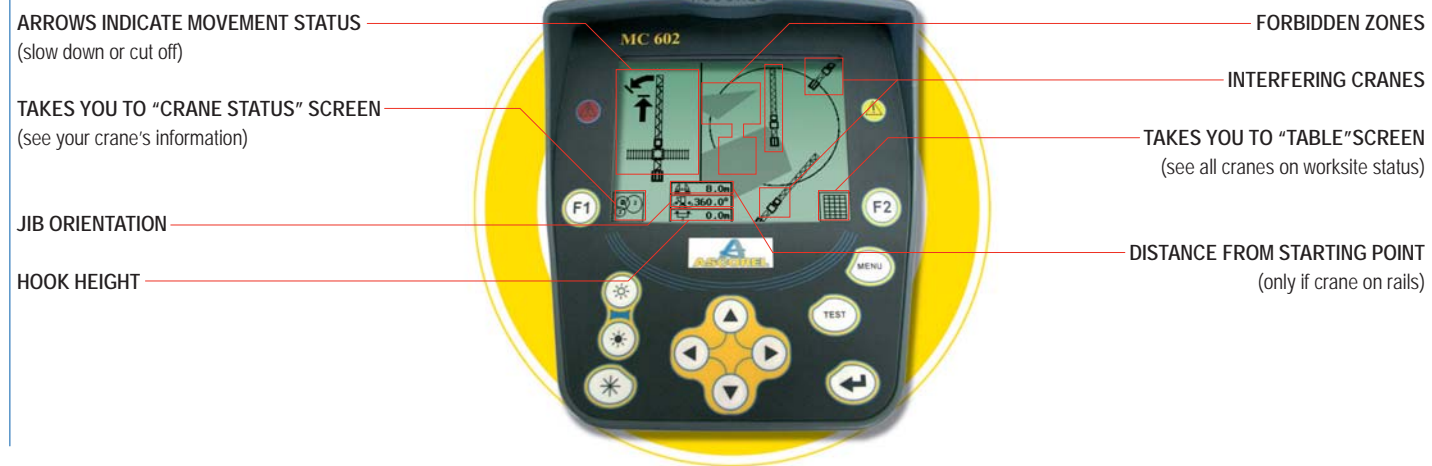
- Crane anticollision monitoring (up to 16 interfering cranes)
- Zoning monitoring (10 zones of 16 points each)
- Calibration done directly on head unit (no extra tool necessary)
- Secondary display available for control and use of system from the bottom of the crane
- Black box available to record critical events
- Load, wind speed, hook height and moment status available in real time
- SUPERVISOR software available to remotely monitor cranes in real time over the internet

## DISPLAY AND FUNCTIONALITIES

### MC602 CRANE STATUS SCREEN



### MC602 ANTICOLLISION AND ZONING SCREEN



## STANDARD ASSEMBLY ON A CRANE

### MC602 LOAD CONDITION CONTROLLER



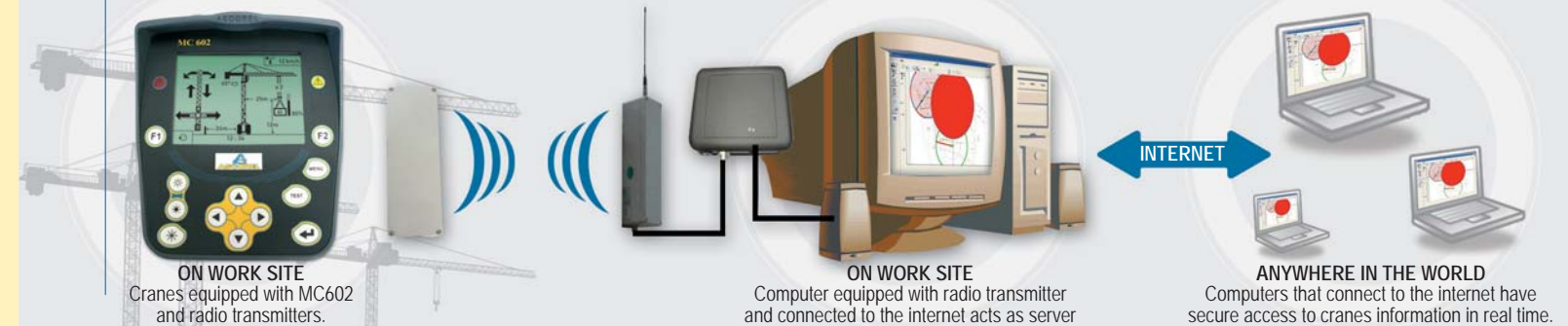
## MAIN FUNCTIONALITIES

|   | MC602 |
|---|-------|
| CRANE ANTICOLLISION MONITORING  | ✓     |
| ZONING MONITORING   | ✓     |
| GRAPHIC DISPLAY OF FORBIDDEN AREAS AND INTERFERING CRANES IN REAL TIME                  | ✓     |
| CALIBRATION DONE DIRECTLY ON HEAD UNIT (NO EXTRA TOOL NECESSARY)                        | ✓     |
| SECONDARY DISPLAY AVAILABLE FOR CONTROL AND USE OF SYSTEM FROM THE BOTTOM OF THE CRANE  | ✓     |
| COMMUNICATION BETWEEN SEVERAL CRANES BY WIRE OR RADIO TRANSMISSION                      | ✓     |
| BLACK BOX AVAILABLE TO RECORD CRITICAL EVENTS   | ✓     |
| OVERRIDE (BYPASS) DETECTION   | ✓     |
| LOAD, WIND SPEED, HOOK HEIGHT AND MOMENT STATUS AVAILABLE IN REAL TIME                  | ✓     |
| MANAGE UP TO 16 INTERFERING CRANES  | ✓     |
| SUPERVISOR SOFTWARE AVAILABLE TO REMOTELY MONITOR CRANES IN REAL TIME OVER THE INTERNET | ✓     |

## AVAILABLE OPTIONS

### SUPERVISOR SOFTWARE

The SUPERVISOR software enable remote monitoring of your cranes over the internet. Each MC602 installed on site communicates via radio with a local computer. That computer is connected to the internet and acts as a server so you can get access to your cranes' information from anywhere in the world in real time.



## PROACTIVE SAFETY

### THE MC602 WAS DESIGNED WITH YOUR SAFETY IN MIND!

This system can detect the angle, weight of load lifted and ground radius of your crane. The crane is fitted with multiple sensors for each of the measured parameters which are then displayed in the operator's cabin to keep him informed. The MC602 was designed to prevent cranes from flying over forbidden zones or running into each other. As a situation becomes increasingly unsafe, the MC602 will slow down movement while warning the operator of the danger. The movements will be decreased and eventually stopped to avoid collision with another crane or flying over a forbidden zone.

The MC602 can be custom-built to fit your needs. Depending on the sensors you choose it can perform more or less functions.



## TECHNICAL SPECIFICATIONS

### MC602

#### POWER

Voltage: 24 Vdc

Consumption: less than 1 A

#### WEIGHT OF UNIT

13.23 lb. (6 kg)

#### DIMENSIONS

11.81 x 11.81 x 4.33in. (300 x 300 x 110mm)

#### DISPLAY AND KEYBOARD

320 x 240 x 5.7 in.

#### DEGREE OF PROTECTION

IP 65

#### NUMBER OF CRANES MONITORED

up to 16, without incidence on reaction time

#### RADIO LINK

Choice of 3 frequencies: 870, 458, 433 Mhz

#### FIXED OBSTACLES

10 zones of 16 points each

#### INTER CRANES COMMUNICATION

cable or radio

#### EXTERNAL SUPPLY BLOCK

380 to 500 VAC, 50 or 60 Hz

#### ENVIRONMENTAL CHARACTERISTICS

Operating temperature: -4°F to 140°F (-20°C to 60°C)

Storage temperature: -22°F to 158°F (-30°C to 70°C)

#### SYSTEM INTERNAL CONNECTIONS

CAN bus

## INSTALLATION

### EQUIPMENT THIS SYSTEM CAN BE INSTALLED ON

This system can be installed on:

- Saddle back tower cranes
- Luffing jib tower cranes

#### CONTACT US FOR MORE INFORMATION

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[www.loadsystems.com](http://www.loadsystems.com)

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