

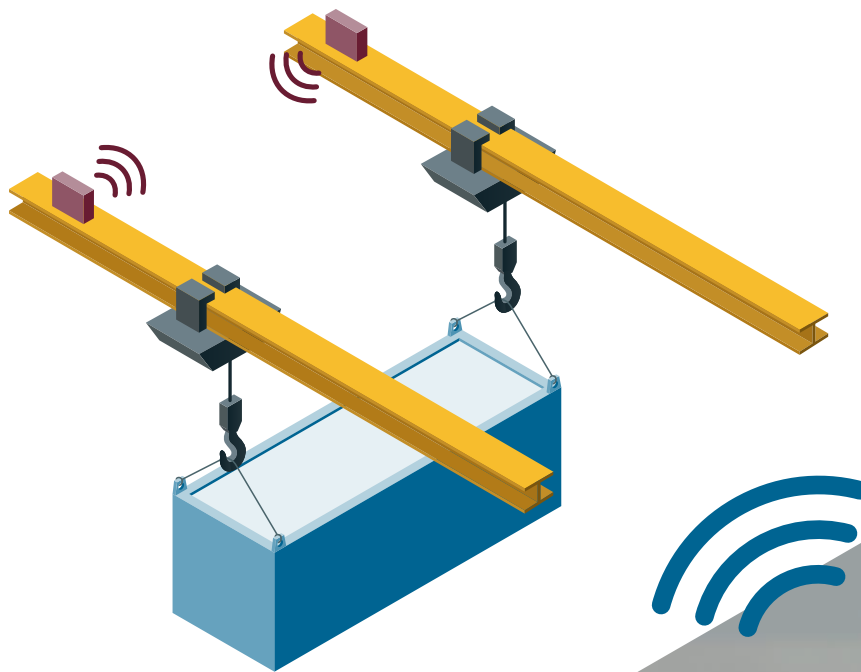
SAFETY FOR CRANES IN TANDEM MODE

incosasolutions
INTELLIGENCE FOR CRANES

This concept for full safety when cranes are operating in tandem, is an add-on system that can be mounted without any modification in the electric controls of the cranes.

The software for this system provides the safety control of the limit switches (1st and 2nd speed) for travel motions. When the leading crane reaches its slow or stop limit the trailing crane will also slow or stop simultaneously.

When in tandem mode the system can be enabled to allow the bypass of anti-collision allowing the cranes to be positioned close to each other and travel in high speed.



With the addition of a distance measurement sensor, when the distance between cranes changes past the programmed limit the motion will automatically stop for load realignment. This prevents load spread due to mechanical differences between cranes.

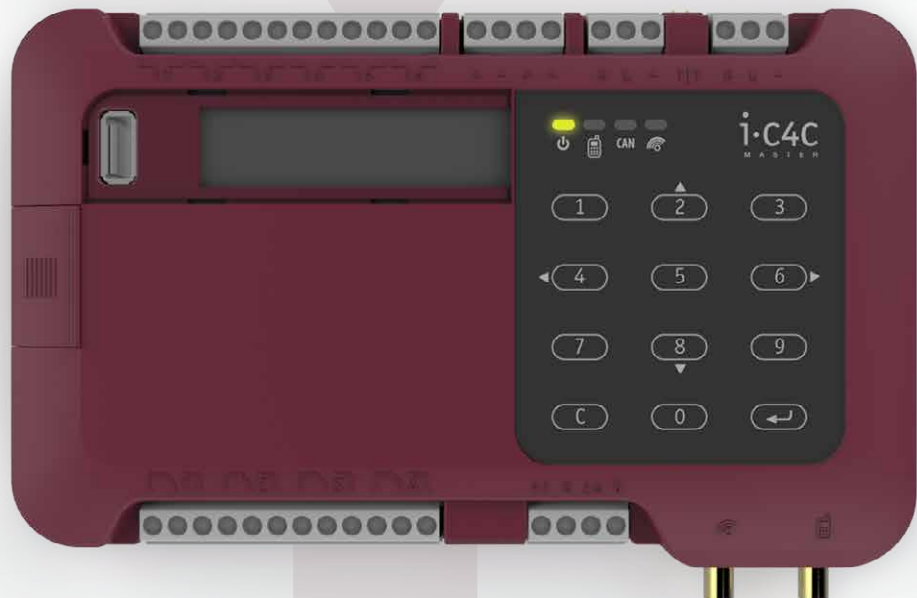
With the addition of a directional contact, when the lead crane hits its stop limit both cranes can immediately go into high speed when travel in the opposite direction is initiated

Although typically found in bridge applications tandem safety can also be employed for trolley and hoist motions.

- Tandem
- Anti collision
- Limit switch slow
- Limit switch stop
- Radio Controlle Active
- 12 Volt DC

Optional

- Direction
- Distance measurement



- Crane forward
- Crane travelling fast
- Crane backward
- Tandem

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