

Title: Protection of Crane Pendant Controllers

Target Audience: Personnel Who Operate or Maintain Pendant Controlled Cranes



Damaged housing/
broken covers
create hazards!

Damaged controls
prevent proper
operation!

Improper handling or protection of pendant controllers can lead to conditions that cause accidents. In the left picture, a pendant control box housing was damaged due to impact with a fixed object. The event resulted in a worker being shocked. In the right picture, a crane accident occurred when a controller swung freely and contacted a fixed object. The travel button got stuck in the closed position due to an impact on the guard around the button's housing. Most crane controllers are designed for industrial applications. However, they are not indestructible. Users should consider the following to protect against malfunction or external damage:

- **Check** the controller **for damage** and proper operation prior to use of the crane each day or shift.
- **Check for wear or damage** to the **seals and guards** around buttons or joysticks and for damage to the casing that might allow dirt, water and other contaminants to enter. A damaged casing may create an electrical hazard!
- Ensure that all function controls are labeled and legible.
- **Report** any **damage** that may affect safe operation.
- **Avoid** uncontrolled **swinging** of the **controller**. Do not let go of the control box unless the pendant line is in a vertical position.
- **Avoid leaving controllers** stowed in a position **where** other moving **objects/vehicles may contact the controller**.