Informatics East 010 Safety Systems

Emergency Stop

The pendant and wall mount emergency stop buttons function identically, and any e-stop button will stop both arms. The buttons are locking, push to operate, twist to release.

Emergency stop functions independently from the other safety interlocks.

Reset

After an e-stop event, the e-stop button involved must be released and the RESET button on the interlock panel must be pressed to reset the e-stop relays.

Power Up Initialization

After a power interruption to the interlock control panel, the RESET button on the interlock panel must be pressed to reset the e-stop relays.

Controller Enable

Both controllers are enabled in parallel. Manual and automatic modes may be enabled simultaneously, so, for example, one arm may be operated manually while the other is computer controlled.

Manual Enable

To enable manual operation, turn the key switch on the interlock panel to MAN ENABLE. To disable manual mode, return the key switch to its center position.

Automatic Enable

To enable automatic operation, all door interlocks must first be closed. Momentarily turn the key switch on the interlock panel to AUTO ENABLE and release. An audible alarm will sound and the strobe will flash for a preset delay. After the delay the strobe will go to solid on and the controllers will be enabled for computer control.

Reset

To disable automatic mode, either press the RESET button on the interlock panel or open one of the doors. To disable manual mode, return the key switch to its center position.

Door Interlocks

The swinging door must be completely closed to close its interlocks.

The sliding door must be either completely closed, or opened to its four-inch detent, to close its interlocks.

 Overrides

 Sliding Door

The sliding door interlocks may be overridden by plugging a closed contact into the 1/4” jack under the SLIDING DOOR OVERRIDE led. This is intended for use by a safety observer holding a kill switch.

 Full Override

The entire interlock system may be overridden by turning the key switch under the OVERRIDE ALL led. Interlock override has no effect on emergency stop functionality.