

LISTEN.
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Effective Design Methods for Integrating Safety Using Logix Controllers

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Track 1 / Ease of use

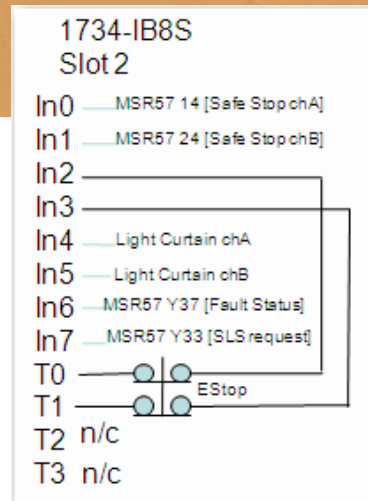
- Single Controller for:
 - Standard
 - Safety
 - Motion
- Single Editor
- Reduced Complexity
- Reduced Training
- Reduced Time
- If you already are familiar with RSLogix 5000, then you already know how to program safety solution

Track 2 / Safety Features

- OSHA has minor servicing exception that allows use of alternative measures for routine and repetitive maintenance; as opposed to lockout / tagout
- Alternative measures are safeguarding devices like light curtains, safety mats, gate interlocks and other similar devices connected to a safety system
- CompactGuardLogix has the safety features required for OSHA to consider it a safety system
- Using functional safety to access a machine is much more productive
- Using functional safety to access a machine can be safer, especially if power required to perform task

Track 3 / Diagnostics

- Imagine if all these E-Stops and doors wired in series; what if machine did not restart ?
- PLCs traditionally land inputs individually
- This does not change because of safety
- PLC based safety system provides same superior diagnostics as a PLC based standard control system
- E-Stop wiring for this case shown to the right



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