



NOTES:

- A single Mercury LP1501 controller is used for each elevator cab.
- There are 2 relays on the LP1501 controller + 16 relays on the MR16OUT expansion panel allowing this basic configuration to control a total of 18 floors.
- Up to 8 MR16OUT expansion panels can be added to a single controller.
- The maximum number of floors supported by a single controller is 128 floors.
- Users/credentials are granted permission to each floor individually within an elevator cab.
- Typical elevator cab wiring includes 1 pair of wires for each floor, which are wired to an individual relay on the MR16OUT. Only elevator cab-level event reporting is possible (e.g. a credential was used in the cab successfully or unsuccessfully, but no floor-level detail is possible to determine which floor button was selected by the user).
- If a second pair of wires is present for each floor button in an elevator cab, this second pair can be wired to an MR16IN expansion panel allowing floor-level event reporting (e.g. a credential was used in the cab *and* floor xx was selected as the destination).
- After presenting a valid credential (PIN/Prox) at the reader in the elevator cab, a user has 5 seconds to make a floor selection. If access for the user credential is allowed/configured for the selected floor(s), the selected floor button(s) will stay illuminated and the cab will travel to the selected floor(s). If access is not permitted, the selected floor button(s) will not stay illuminated and the cab will stay in position.
- Floor groups can be defined to group a set of elevator floors together, or floors within multiple elevator cabs as desired.
- Common door/floor definitions are possible to facilitate mapping to access users or guests.
- Elevator floors may be individually locked/unlocked (e.g. "public" floors are supported and can be configured so that valid credentials are not necessary before selected these floors. Often used for "lobby" or "pool/gym" floors).
- Elevator control is configured/managed using our Edge|State web portal and is also possible via our RESTful API. Elevator floors are discovered/defined/configured similarly to ACS door locks.