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Situation:

Password entry issue or improper function when four (4) EN2 APS buttons are installed on one CCU2EN channel.

Solution:

The EZ Comm 2-Wire System is designed to support up to four APS buttons per CCU2EN channel, but there are limitations to this functionality. Field experience has shown that there are conditions where this does not always operate as intended.

The addition of buttons to a channel results in greater data signal loss through the system wiring. This can result in unreliable data transmission. While good condition wiring of average length normally works well, there are situations where splices in the line or long runs prevent four buttons from operating as designed. The most common indication of a problem is difficulty getting consistently, or inability to get a successful password entry when using the E-Configurator.

If you are planning to install four buttons on a channel, please be aware that there is some risk involved. If your installation leaves any CCU2EN channel unused, **we recommend the buttons on any 4 button Ped phase be split onto two CCU2EN channels with two buttons on each channel. The installation manual has a wiring diagram for a typical installation of this kind.**

For an installation where no spare channels are available and there are operational issues, installation of an additional CCU2EN to operate the longest run buttons can be a solution. Also, if larger AWG wire can be pulled this may resolve the issue. If neither of these two options are acceptable, the buttons on the longest run(s) (or all buttons) can be changed to EN4 buttons, but their performance and sounds will not be controlled or synchronized by the CCU2EN.

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