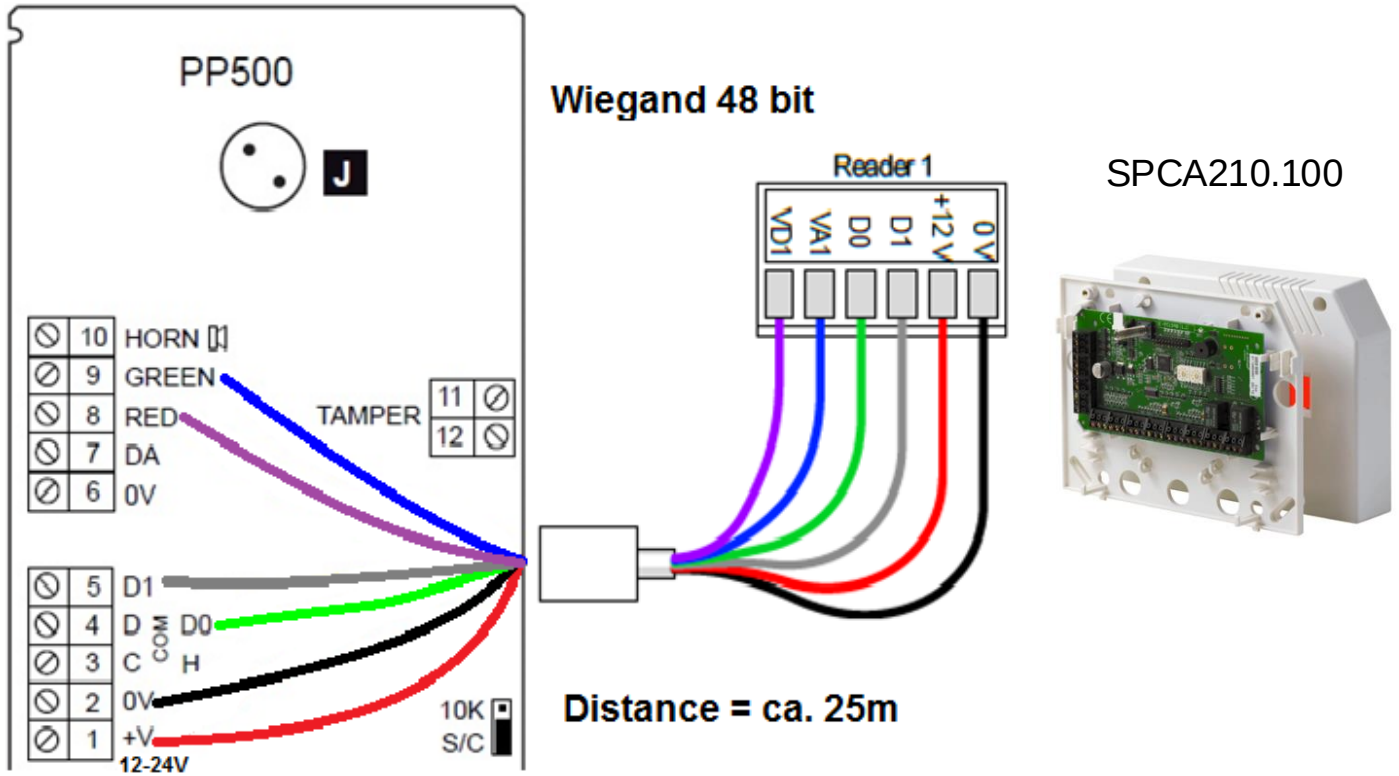
PP500-EM/Cotag connected to SPCA210.100 via Wiegand 48 bit

SPC

Application note

TCC-2017-011_PP500-Cotag-EM-to-SPCA210.100-via-Wiegand-48bit_330_01_EN

PP500-Cotag/EM



SPCA210.100

Configuration of PP500-Cotag/EM:

→ PP500 will be delivered with BC-Link protocol. Therefore the PP500 has to be configured for Wiegand 48 bit protoco first.

→ A4:

- Go to programming mode: Programming mode is enabled when powering up the reader with the 'B' button pressed for 2 seconds. This is indicated by red and green LEDs blinking
- Press „A4"
- Press 'B' to exit programming mode, when red and green LEDs are flashing together

Configuration in SPC via web browser:

→ Configuration
→ Doors
→ Location – click on Door controller
→ Select reader profile by affected reader interface –> „Default"

→ Configuration
→System
→ System options
→ Door
→ Card Formats – Edit -> check all card formats

PP500 card reader reads Cotag or EM cards, in dependance on the card reader technology (Cotag or EM):

Cotag cards: **IB928** active Cotag clamshell card (Ord.-No.: V24246-D5203-A1),
IB911 active Cotag key-ring tag (Ord.-No.: V24246-D5204-A1),
IB968 passive Cotag clamshell card (Ord.-No.: V54501-S10-A1),
IB958M passive Cotag card with magnetic stripe (Ord.-No.: V54501-S11-A1),
IB981 passive Cotag key-ring tag (Ord.-No.: V54501-N7-A1)

EM cards: **IB42-EM** blank printable EM laminated card without print (Ord.-No.: V24246-D4901-A1),
IB44-EM Keyring tag (Ord.-No.: V24246-D4902-A1), **IB44-EM-LB** Keyring tag (Ord.-No.: VGBI:15-426),
IB45-EM EM adhesive tag (Ord.-No.: S24246-D4903-A1)

PP500-Cotag -> Order No.: V54501-F1-A2

PP500-EM -> Order No.: V54501-F1-A1

Note:

- Tested with: SPC Software version v3.7.1, SPCA210.100 v2.01
- Prefix for system arming works
- Arming/Disarming with Card+PIN or PIN only works
- 10-digit card number using IB42-EM cards

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