

Terminate AMR170 in Wiegand

Overview

The AMR170 reader supports termination in Wiegand. It does not have operational advantage over RS485 termination but it is the most recognized method of terminating Card Access Reader to Controller.

The reader comes with a 30cm pigtail consisting of 10 cables. In the case of Wiegand termination, 7 wires (Red, Black, Green, White, Brown, Orange, Yellow) are required (see Table 1).

The cable need to be terminated to controller Wiegand port +V, GND, D0,D1, ERL,OKL,BUZ.

For applications where the reader is mounted at the door side, an extension cable is used to join between reader and controller. The recommended extension cable is Belden 9538 24AWG, 0.6mm, 8 core cable foil shield.

Make sure that the cable is terminated using terminal block.

Reader Wiring and Color Code

Terminal Point Label	Description	Recommended Cable Color
Dev+	RS485+	Blue
Dev-	RS485-	Grey
+V	+12VDC	Red
GND	DC Ground	Black
D0	Wiegand Data 0	Green
D1	Wiegand Data 1	White
ERL	Red LED	Brown
OKL	Green LED	Orange
BUZ	Buzzer	Yellow
	Hold	Purple

Table 1: Termination Point Label

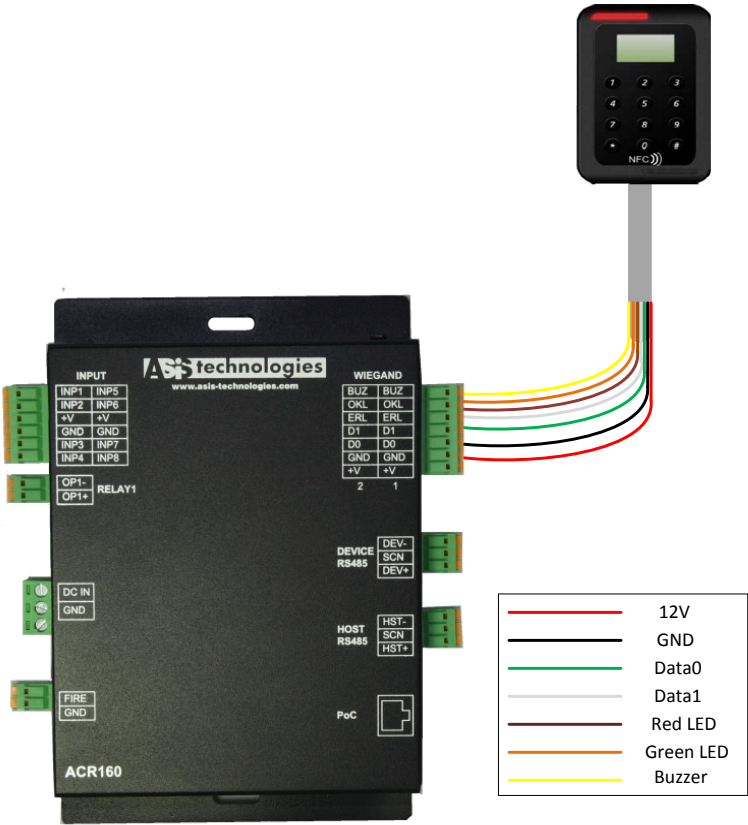


Figure 1. Reader Wiring and Color Code