Reader

To Controller
(or other expansions)

12v or 24v
Power Supply
+   -

LOCK
-   +

Relay 1-2

+ 12v DC Power*
-

Input 1-2

Controller	ADC-AC-MR50
CLK (White)	TR+ (White)
DAT (Green)	TR- (Green)
GND (Black)	GND (Black)

12v DC Power	ADC-AC-MR50
VO/+ (Red)	VIN (Red)
GND/- (Black)	GND (Black)
* 12v DC is recommended as the ADC-AC-MR50 passes the VIN voltage to your reader	