



NODER IO16RS

Lift Control Module

Technical Documentation

Ver.1.2_032020

Protection

Before installing this device, read these instructions. Failure to follow the instructions may result in malfunction or even damage to the equipment. The manufacturer is not liable for damages caused by negligence. Entering any modifications to the device that are not authorized by the manufacturer or performing independent repairs results in the loss of rights resulting from the warranty.

Warning

Electric device under voltage. Before performing any activities related to the power supply (connecting wires, installing the device, etc.), make sure that this device is not connected to the power supply. The assembly should be made by person with appropriate electrical qualifications.

Device description

The IP Controller of the Access Control System is an advanced microprocessor I/O device for automated user identification. It can be used in building security systems, access control, time&attendance, hotel and recreational facilities. Leading and managementing system is Axxon Intellect platform.

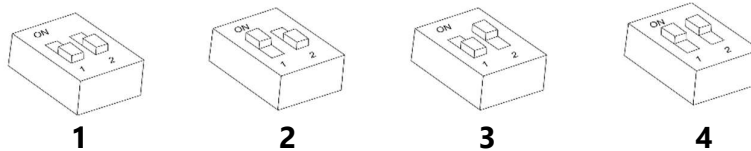
System architecture

IO16RS lift access control module works with EE12 and EWE4 controllers.

EWE4 can support up to 4 RS devices (IO16RS or MD-R) and simultaneously up to 4 Wiegand MD-W readers, but the total number of readers can not be greater than 4. So using IO16RS module automatically requires use of MD-W readers. (e.g. 2 x MD-W and 2x MD-R or 2x MD-W and 3x IO16RS, but 1x MD-R and 3xIO16RS is not allowed because EWE4 controller does not support different types of devices on the RS-485 bus).

EE12 can handle up to 4 IO16RS devices and up to 12 MD-R readers at the same time.

The IO16RS module should be addressed using DIP Switches with address from 1 to 4.



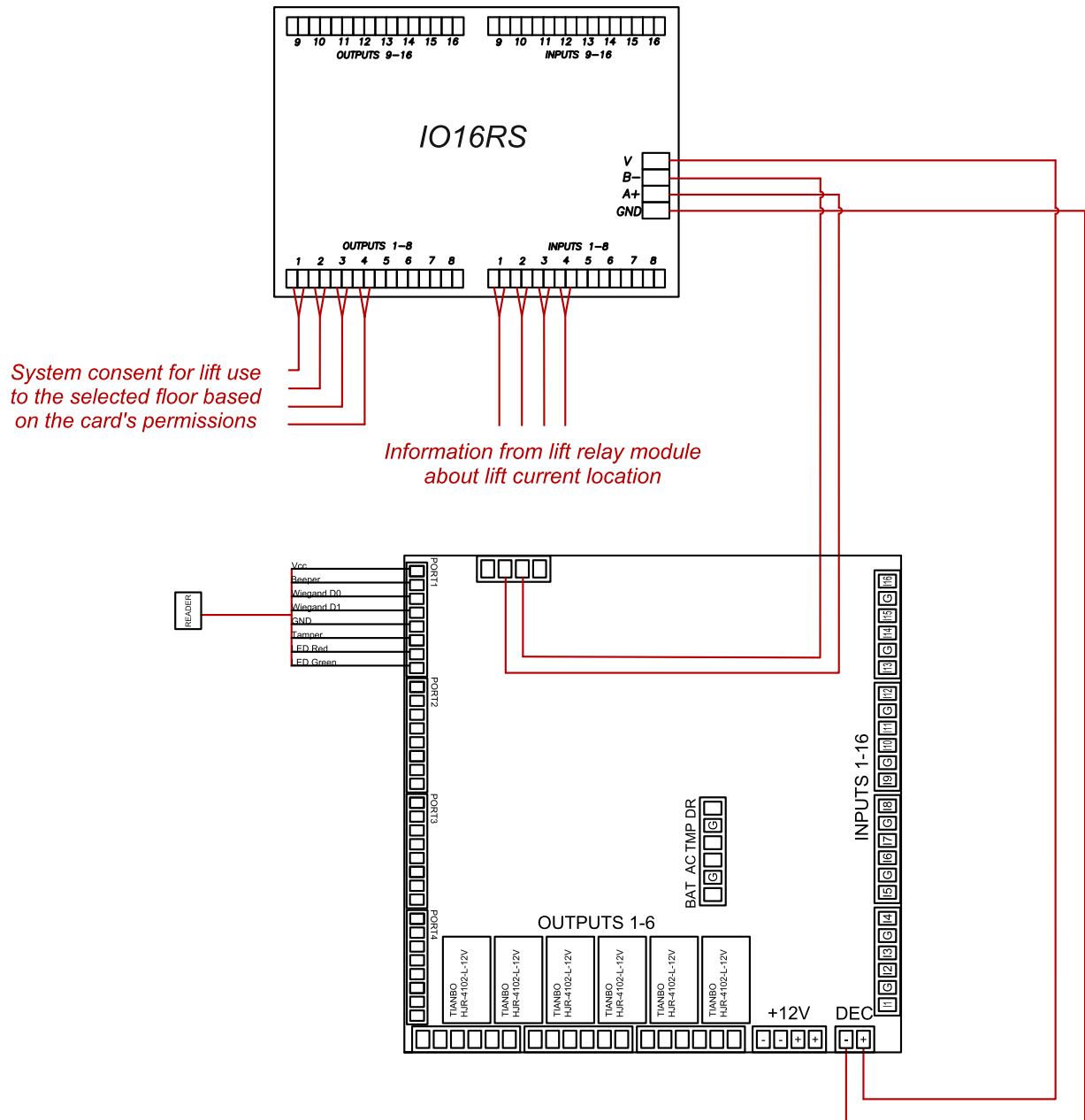
Addresses:

Characteristic

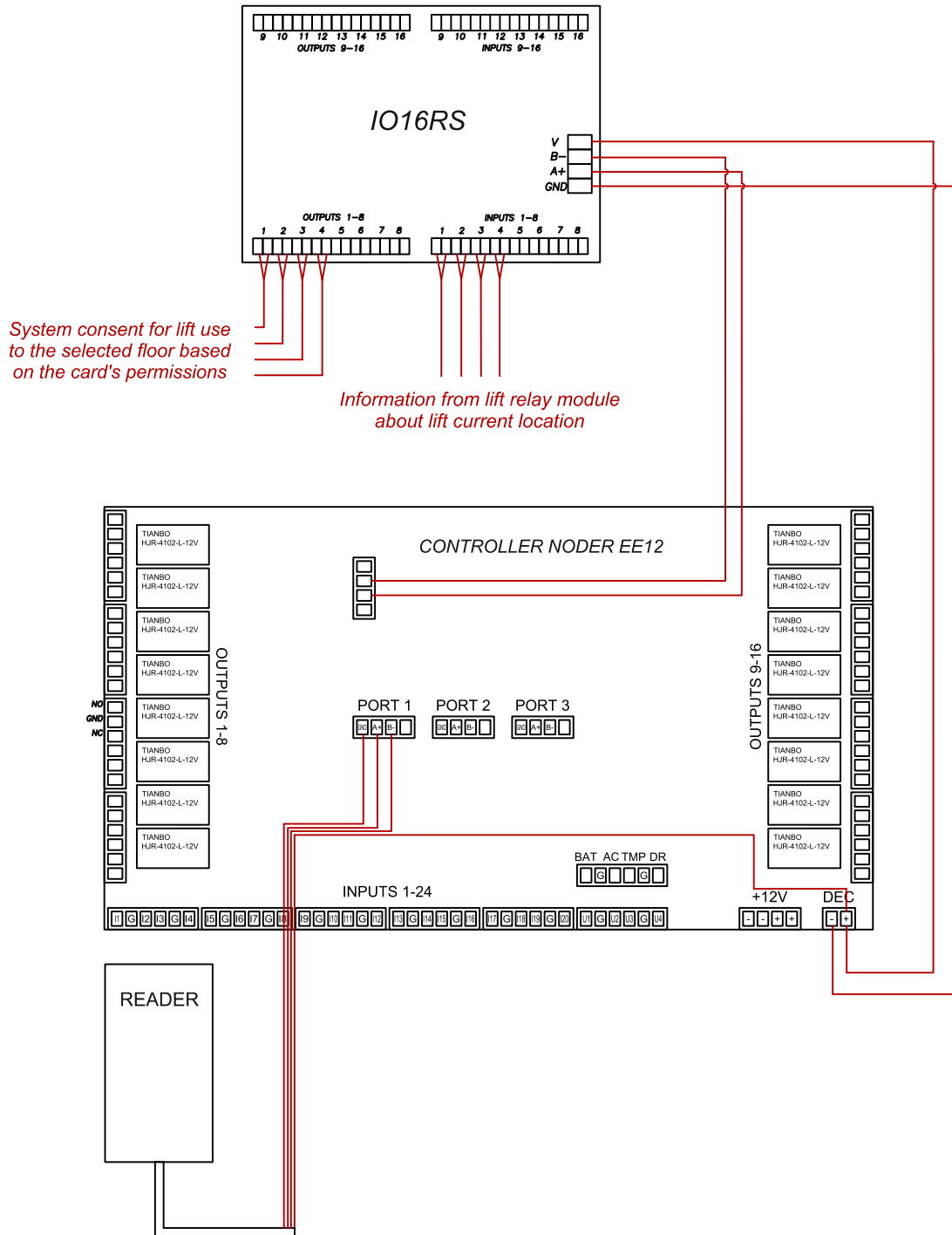
	TYPE	IO16RS
COMPATIBLE CONTROLLERS		Noder EE12 Noder EWE4
NUMBER OF SUPPORTED FLOORS		16
NUMBER OF EXTENSIONS PER CONTROLLER		1-4
NUMBER OF EXTENSIONS PER ELEVATOR		1-4
NUMBER OF SUPPORTED FLOORS PER SINGLE CONTROLLER		1-64

Technical specifications	
NUMBER OF PROGRAMABLE OUTPUTS	16
MAXIMUM CURRENT PER OUTPUT	1 A
NUMBER OF PROGRAMABLE INPUTS	16
COMMUNICATION WITH CONTROLLER	1x RS-485
POWER SUPPLY	12 VDC
CURRENT CONSUMPTION	typowo ~200 mA (maksymalnie ~337 mA)
DIMENSIONS	122 x 90 x 23 mm (4.8 x 3.54 x 0.91 in.)
WEIGHT	300 g (0.66 lb)
WORKING TEMPERATURE	-10 °C - +55 °C
STORAGE TEMPERATURE	-20 °C - +70 °C
AMBIENT HUMIDITY	<80%

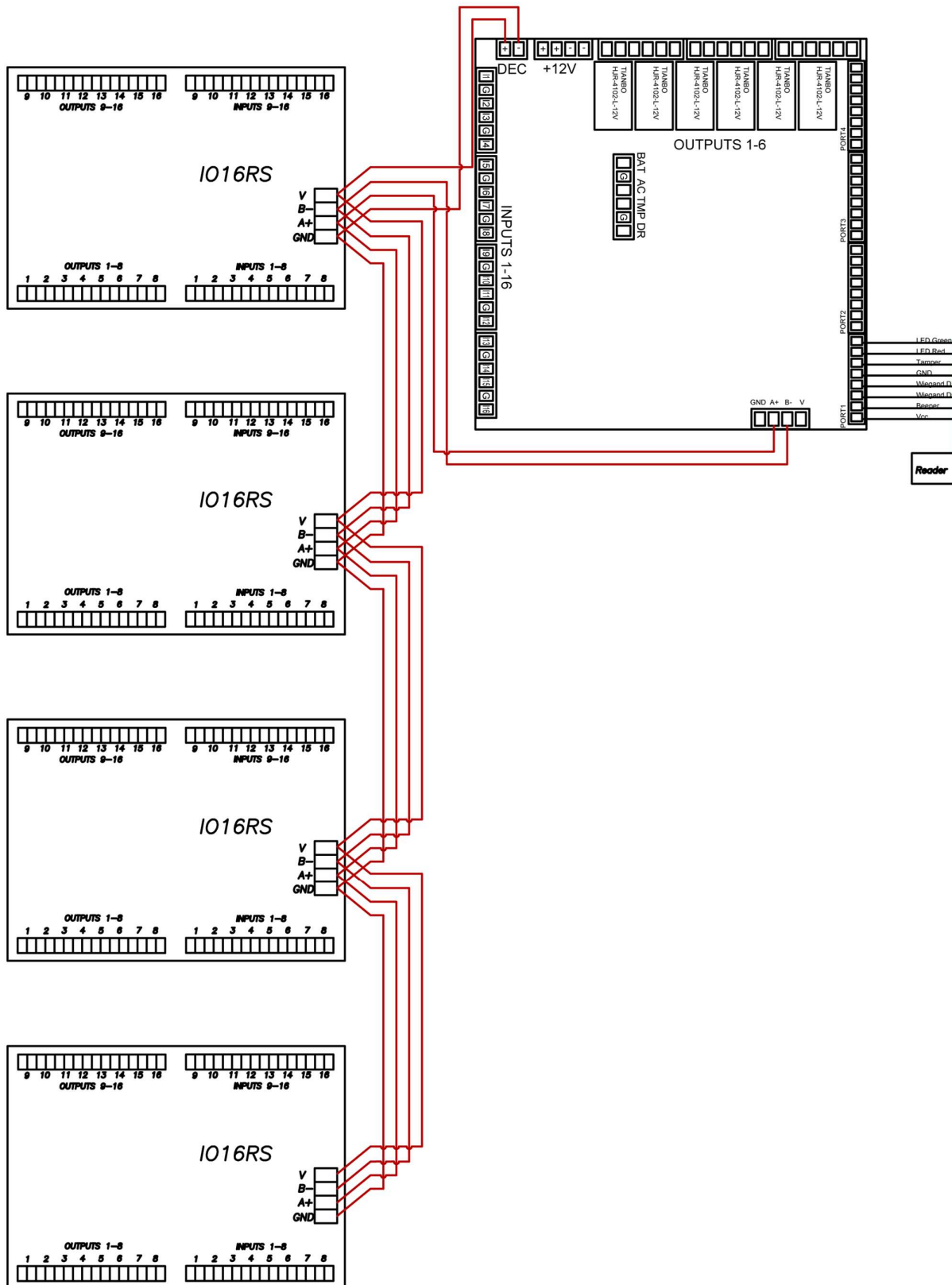
Example of connection to EWE4 controller



Example of connection to EE12 controller



Example of connecting 4 IO16RS modules to EWE4 controller



Another example of connecting 4 IO16RS modules to EWE4 controller

