Kiwitron
SMART INDUSTRY SOLUTIONS

Manual Radar Standalone

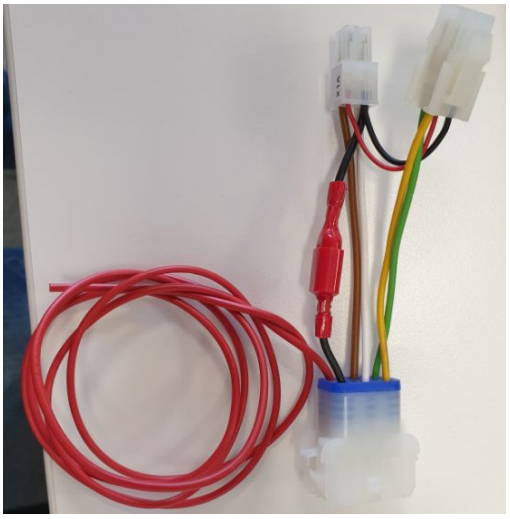
Kiwitron
SMART INDUSTRY SOLUTIONS

Kiwitron s.r.l.
Via Primo Maggio 5/9 Pontecchio Marconi
40037 Bologna, Italy
+39 051 1889 3471 - info@kiwitron.it - www.kiwitron.it
P.IVA: IT02055970970 - SDI: M5UXCR1

Kit contents

Control unit relè

Radar lane/maneuver



A^

Cable kit

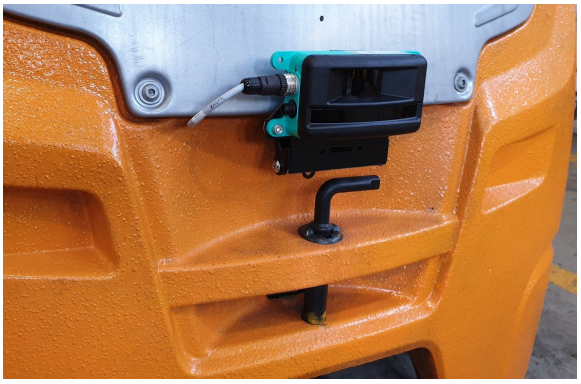
A^ =Unlike the old one that on the black wire (the negative) there is the possibility to disconnect it.

Kiwitron s.r.l.
Via Primo Maggio 5/9 Pontecchio Marconi
40037 Bologna, Italy
+39 051 1889 3471 - info@kiwitron.it - www.kiwitron.it
P.IVA: IT02055970970 - SDI: M5UXCR1

Placement

Install the radar at the point of the machine to be protected. Lane radar can be used on all types of machines.

When positioning, keep in mind that the radar detects obstacles through a very thin and directional "blade", pay attention to the height and mounting angle.



Electrical connection

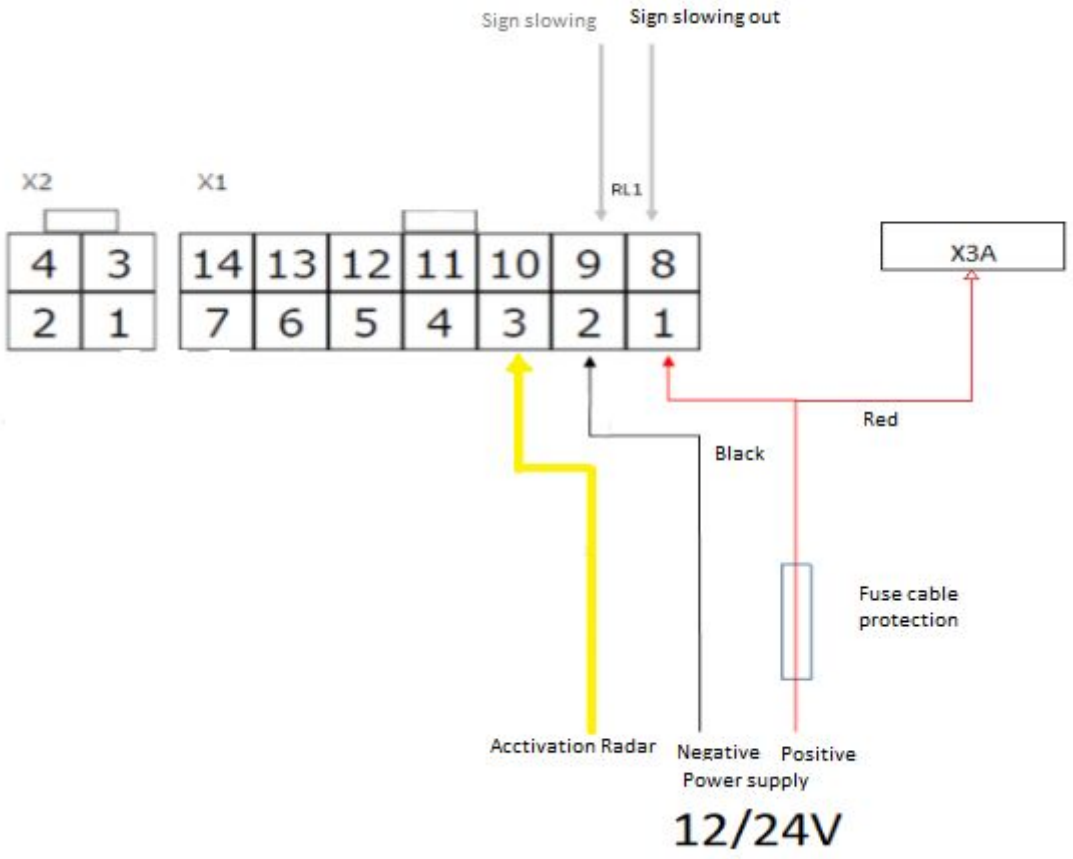
Connect the red wires to a 12 / 24V power source.

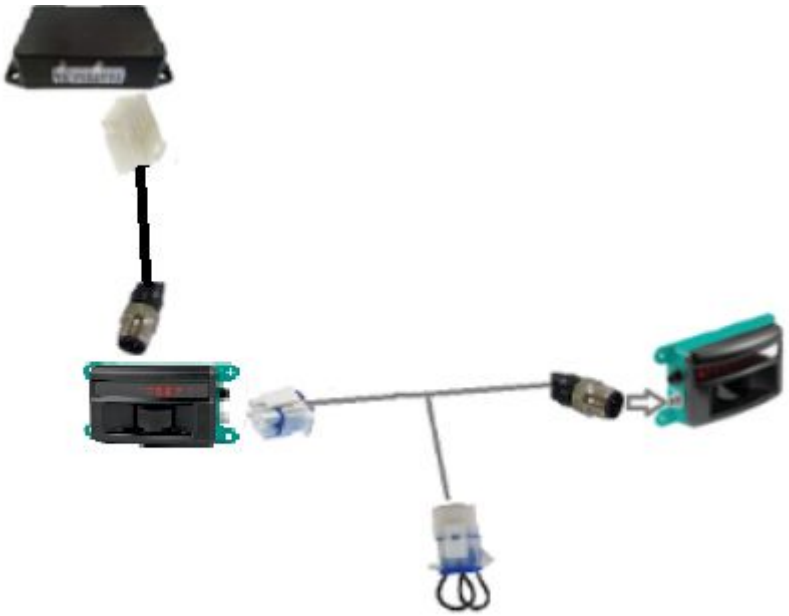
The system can be equipped with one or more sensors connected to the same wiring with chain link .

For this reason it is always necessary to insert the closing connector (male connector with two black jumper wires) on the female socket which remains free.

Kiwitron s.r.l.
Via Primo Maggio 5/9 Pontecchio Marconi
40037 Bologna, Italy
+39 051 1889 3471 - info@kiwitron.it - www.kiwitron.it
P.IVA: IT02055970970 - SDI: M5UXCR1

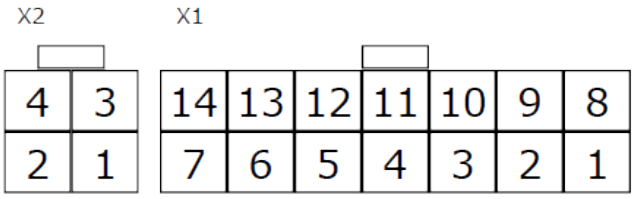
Connection diagram





Kiwitron s.r.l.
Via Primo Maggio 5/9 Pontecchio Marconi
40037 Bologna, Italy
+39 051 1889 3471 - info@kiwitron.it - www.kiwitron.it
P.IVA: IT02055970970 - SDI: M5UXCR1

Pinout



X1 connector pinout

Position	Function
1	Power input positive (10 - 120 Volts DC)
2	Power input negative
3	Digital input IP1 (positive activation threshold >1,7 Volts - 150 Volts max)
4	Digital input IP2 (positive activation threshold >1,7 Volts - 150 Volts max)
5	Analog input (0 - 10 Volts)
6	Digital input IN1 (negative activation threshold < 0,5 Volts - 150 Volts max)
7	Digital input IN2 (negative activation threshold < 0,5 Volts - 150 Volts max)
8	Relais 1 - common contact
9	Relais 1 - normally open contact (6Amp max)
10	Relais 2 - common contact
11	Relais 2 - normally open contact (6Amp max)
12	Relais 3 - common contact
13	Relais 3 - normally open contact (6Amp max)
14	Analog input AIN1 (0 - 5Volts) (used for current sensor)

X2 connector pinout

Position	Function
1	Power output positive (5 Volts DC)
2	Power output negative
3	CAN +
4	CAN -

Canbus line on X2 connector is without line closure resistor

Kiwitron s.r.l.
Via Primo Maggio 5/9 Pontecchio Marconi
40037 Bologna, Italy
+39 051 1889 3471 - info@kiwitron.it - www.kiwitron.it
P.IVA: IT02055970970 - SDI: M5UXCR1