



WARNING: Before installing, read the instructions and recommendations contained herein. Equipment must be installed and used in accordance with these instructions. The device is designed for installation in vehicles with 12 volt electrical system. The manufacturer and retailer are not responsible for any damages resulting from improper installation, use, operation or control of the product differently from the instructions for use. Incorrect repairs to the facility or its treatment, risk of damage to the equipment or vehicle power supply and loss guarantees. For proper operation and flawless product, we recommend installation of professional service.

SYSTEM DESCRIPTION

M WIN is the comfort control module electrical windows designed for vehicles with 12 V supply voltage. The module can be used for tightening (up) of four electrically operated windows, or for comfort control (up, down) two electrically operated windows.

PACKAGE CONTENTS

• 1x control unit • cabling

I. DESCRIPTION OF ASSEMBLY

Settings DIP switch:

DIP	1	2	3
ON	2 windows (up/down)	in the steady state power to the actuator wires "-" (red / white wire to "+")	tightening the window is active until you close the windows or the passage of time
OFF	4 windows (only up)	in the steady state power to the actuator wires "+" (red / white wire to "-")	tightening the window is active when the active input to close the windows

DIP Nr.1:

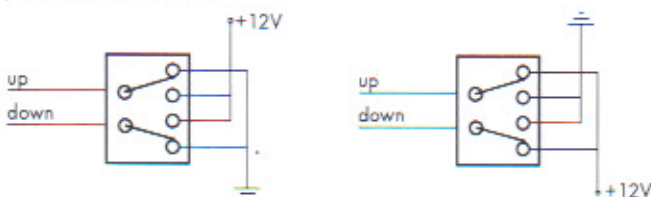
ON: connected to two electrically-operated windows. Comfortable upward or downward. After applying "-" when the ignition pulse to enter the opening, two electrically operated window open. After applying "+" pulse for the ignition to close the entrance, two electrically operated windows are closed.

OFF: connected to four electric windows. Just close the window. After applying "-" pulse to enter the closed, shut down power windows on the right side and then after closing the window will close on the left side.

DIP Nr.2:

ON: polarity settings control the actuators to control the electric windows. If the ignition wires to the power actuator is permanent "-" signal, connect the red / white wire to +12 V (servo driver in their control).

OFF: if the ignition wires to the power actuator is permanent "+" signal, connect the red / white wire to the vehicle.



DIP Nr.2 - ON

DIP Nr.2 - OFF

DIP Nr.3:

ON: when the ignition is turned off to enter the closing (or opening) of the pulse which is applied longer than 0.3 seconds, electrically operated windows are automatically closed (or open).

OFF: Power windows when the ignition is off (open) when the pulse which is applied to the entry closing (opening).

Wiring:

Wires connect the actuator connection diagram according to the number of control electric windows.

Red (+) Power +12V (input wire)

Black (-) skeleton car (input wire)

Yellow (+) ignition +12V (input wire)

Grey/black (-)entry to activate the windows are close (input wire)

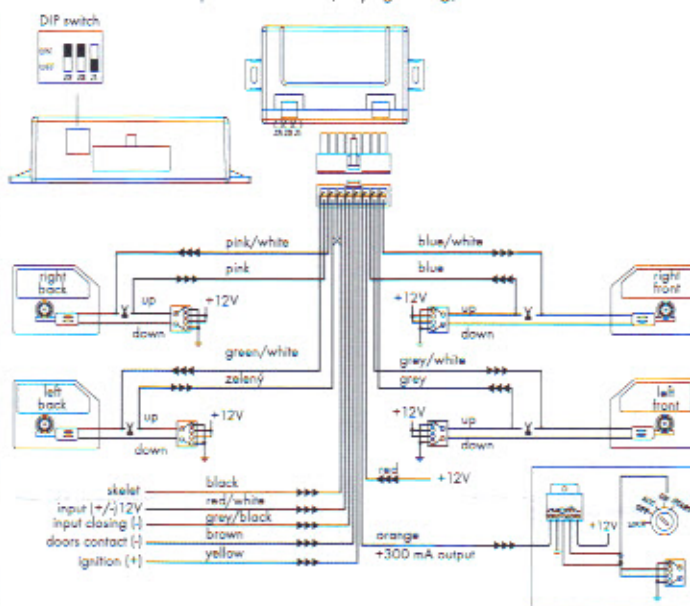
Purple/black (-)entry to activate the windows are open (input wire)

Orange (+300mA) output power control switch electric windows. It is used for vehicles that need to tighten the ignition is turned on windows. The output is activated after switching off the ignition and door opening (need to involve door contact) 1 minute. After windows close automatically disables the output to conserve battery power.

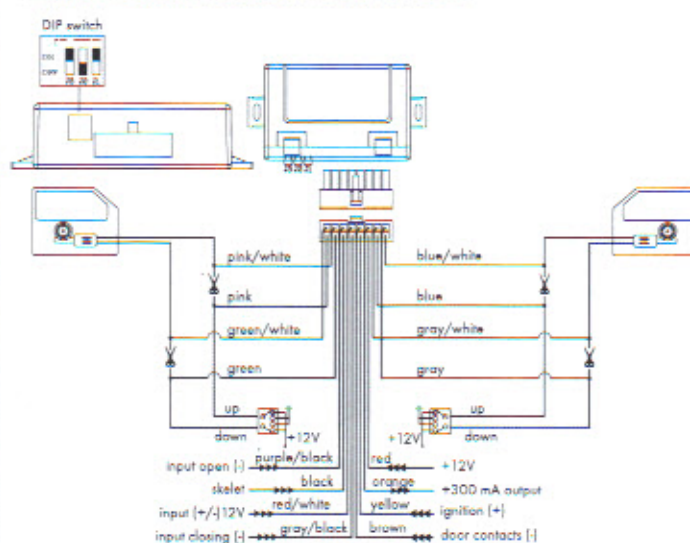
Brown (-)sensing door contacts (input wire). After opening the door activates the output of electrical switches for power windows (orange wire)

II. WIRING

Involvement of the four power windows (only tightening)



Wiring for two electrically-operated windows (up / down)



TECHNICAL PARAMETERS

Supply voltage	12V +/- 25%
Operating temperature	-30°C - 70°C
Max. current output load	15A
Max. output load current for ignition	300mA
Length of the ignition switch output	60 s