

# MOTOR UNIT DRIVER / RECEIVER SOT-5

The motor unit driver is designed for cooperation with motor units and motozoom lenses. The driver / receiver receives and executes the commands from RS-485 telemetry trnasmitter, e.g. control panels, DVRs, video capture cards, video servers. The device can be easily outdoor mounted.

The picture below shows the jumpers settings for ID number and protocol.

0		PELCO-D/2400	8		-
1		PELCO-P/4800	9		-
2		PELCO-P/9600	10		-
3		DELTA-M (work with PKSO-10 and Multicam)	11		-
4		PELCO-D/9600	12		-
5		-	13		-
6		-	14		-
7		-	15		TEST

The driver allows to control following functions:

**a). The motor unit:**

right  
left  
down  
up  
right down  
right up  
left down  
left up  
autoscan

**b). The camera:**

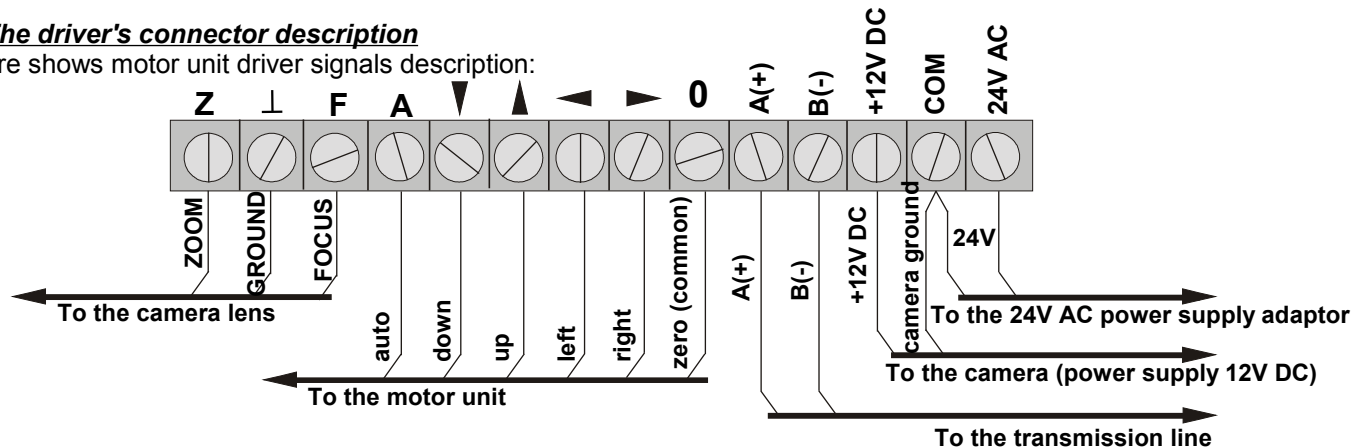
zoom  
focus

**SPECIFICATIONS:**

Power voltage	- 24V AC / 50Hz
Current consumption (waiting mode)	- 50mA
Camera powering output	- 12V DC / 400mA
Max. current consumption directions outputs	- 500mA
Max. current consumption ZOOM, FOCUS outputs	- 100mA
Max. RS-485 transmission line distance	- 1000m.
Short circuit outputs protect	- yes
Dimensions (L/W/H)	- 112x37x91mm
Weight	- 112g

**The driver's connector description**

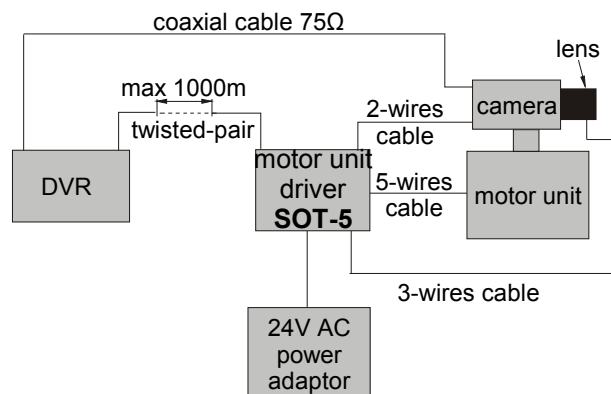
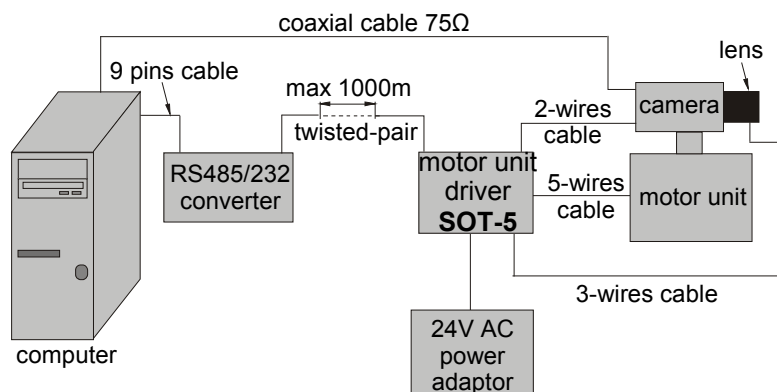
The picture shows motor unit driver signals description:



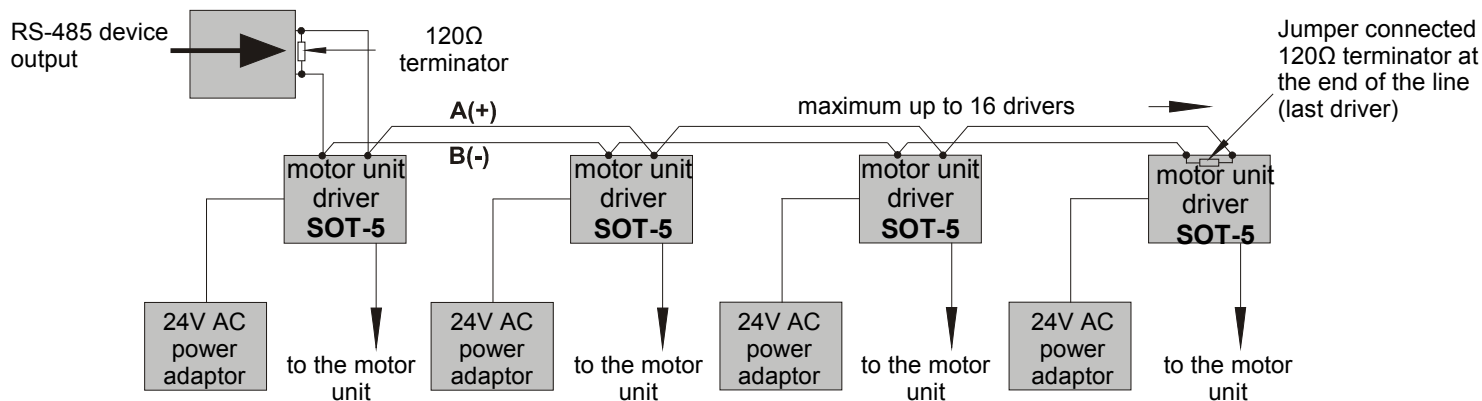
**The driver connection**

- The A(+), B(-) driver's inputs connect to the PTZ control outputs in the device (e.g. DVR). Please pay your attention to correct polarity (terminals [A(+)], [B(-)] ).
  - **At the beginning of the transmission line and at the end of the transmission line connect the 120Ω resistors.**
  - ZOOM, GROUND and FOCUS outputs connect to the proper control inputs in the camera's lens. The GROUND is common for ZOOM and FOCUS.
  - AUTO, DOWN, UP, LEFT, RIGHT outputs connect to the proper control inputs in the motor unit.
  - The voltage from terminal [+12V, COM(camera's ground)] can be used for camera's powering.
  - The 24V AC connect to the terminal [COM, 24VAC].
- ATTENTION! Switch the power off during cables connecting.**

## Schematic diagrams



## Schematic diagram for many drivers to the one system connection:



## ID number assign, protocol change and 120Ω resistor connection – switchers and jumper configurations:

