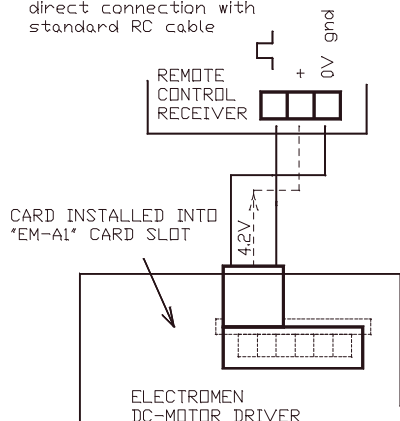
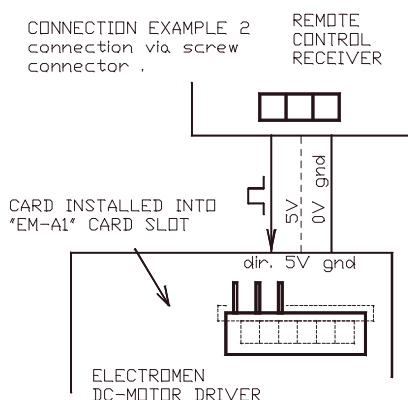


NOTICE !
if RC receiver is externally powered as normally. Then DO NOT connect the +4.2V or 5V wire, see below

CONNECTION EXAMPLE 1
direct connection with standard RC cable



CONNECTION EXAMPLE 2
connection via screw connector.



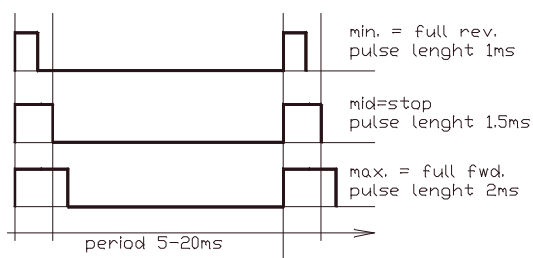
EM-P46

EM-A46 is signal converter. The input signal can be 1-2ms pulse length signal which normally has used in RF-remote control receiver, also called often servo control signal or ardupilot pwm.

This card can be implemented to Electromen driver card where is option card slot (EM-A1), for example EM 282D and EM-347B. When card installed into slot, then direction input of driver card will convert to ardupilot pwm input. and can be controlled forward and reverse with standard radio remote control device.

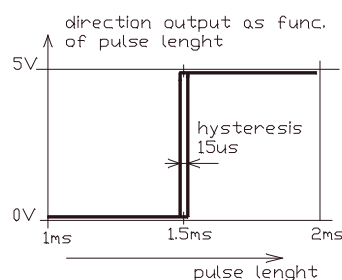
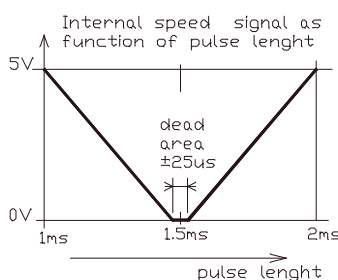
EM-A46 has also optionally 3- input pin for standard remote control receiver connector

remote control receiver
output signal



TECHNICAL DATA

Supply voltage 3-6Vdc (Vcc)
Current cont. 10mA
Input signal "Futaba servo" 3-10Vpwm 1-2ms
Output (internal) 0-5V speed / 0-5V direction
Aux ,supply for RF-receiver 4.2V max. 30mA
We recommend that RF-receiver would powered auxiliary, not with this 4.2V
Speed output mid point dead time $\pm 25\mu s$
Mid point adjust $\pm 10\%$
Direction output hysteresis 15us
No signal delay 1s (speed to zero)
Response time typ 20ms.
Connectors 6x 2.5mm pin female
Dimensions 19x19 mm
Weight 10g
Operating ambient temp (Ta) -40...60°C



SPECIFICATIONS	CONTRACT NO.	DATE	COMPANY
	DRAWN BY: K.M.K	30.10.25	ELECTROMEN OY
	CHECKED BY:		TITLE DATASHEET
	DESIGNED BY:		SIGNAL CONVERTER EM-A46 Pulse 1.5ms $\pm 0.5ms$ to 0-5V + direction
	DESIGN ACTIVITY		SIZE A4 FSCM NO. DWG NO. / FILE NAME A46
	CUSTOMER		SCALE DATE SHEET 1 of 1