

MECR1091 - Snow Plow Controller



- 4-way control with joystick
- ON/OFF control for up to 9 hydraulic solenoid coils
- Float and relief modes
- Reverse polarity and overcurrent/voltage protection
- 1 sensor input

1. Description

MECR1091 provides stable control on snow plow with its 4-way joystick, ON/OFF control for up to 9 hydraulic solenoid coils, float and relief modes and a sensor input. In addition, MECR1091 provides manual ON/OFF control on salt spreader hydraulic system. Protected against reverse polarity and overcurrent/voltage, MECR1091 operates between 10-30V DC.

2. Area of use

- Snow plow
- Street cleaning trucks

3. Technical data

	Unit	Description, value	
Supply voltage	V DC	10-30	
Dimensions	mm	220 x 190 x 120	
Connection type		16-pin connector	
Protection class		IP 51	
Outputs	Α	ON/OFF hydraulic valves: 9 x 2,5 (max.)	

4. Functions



1	Power ON/OFF	
2	Float mode ON/OFF	
	(Red Button LED)	
3	Relief mode ON/OFF	
	(Blue Button LED)	
4	Joystick	
5	Salt spreader manual	
	ON/OFF	
	(Green Button LED)	

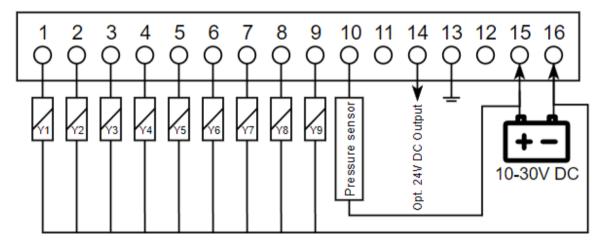
5. Connections

• 16-pin connector

Pin Number	Connection	Pin Number	Connection
1	Y1 (Plow left)	9	Y9
2	Y2 (Plow right)	10	Pressure sensor
3	Y3 (Plow up)	11	N/A
4	Y4 (Plow down)	12	N/A
5	Y5 (Float mode)	13	Optional GND(-)
6	Y6 (Relief mode)	14	Optional +24V DC Output
7	Y7 (Pressure)	15	Main Vcc (+)
8	Y8 (Salt spreader)	16	Main GND (-)

Connection diagram

16-pin connector



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