

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	A	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

