MESP002 – All-in-One Controller

- **4-way control with joystick**
- **Proportional control for up to 2 hydraulic solenoid coils**
- **ON/OFF control for up to 7 hydraulic solenoid coils**
- **Float mode**
- **ON/OFF control for 1 lighting**
- **Reverse polarity and overcurrent/voltage protection**

1. Description

MESP002 all-in-one controller provides stable control of both **salt spreader** and **snow plow** with its 4-way joystick, ON/OFF control for up to 7 hydraulic solenoid coils, proportional control for up to 2 hydraulic solenoid coils and float mode. Also providing ON/OFF control for 1 lighting and being protected against reverse polarity and overcurrent/voltage, MESP002 operates between 10-30V DC.

2. Area of use

- Salt spreader
- Snow plow

3. Technical data

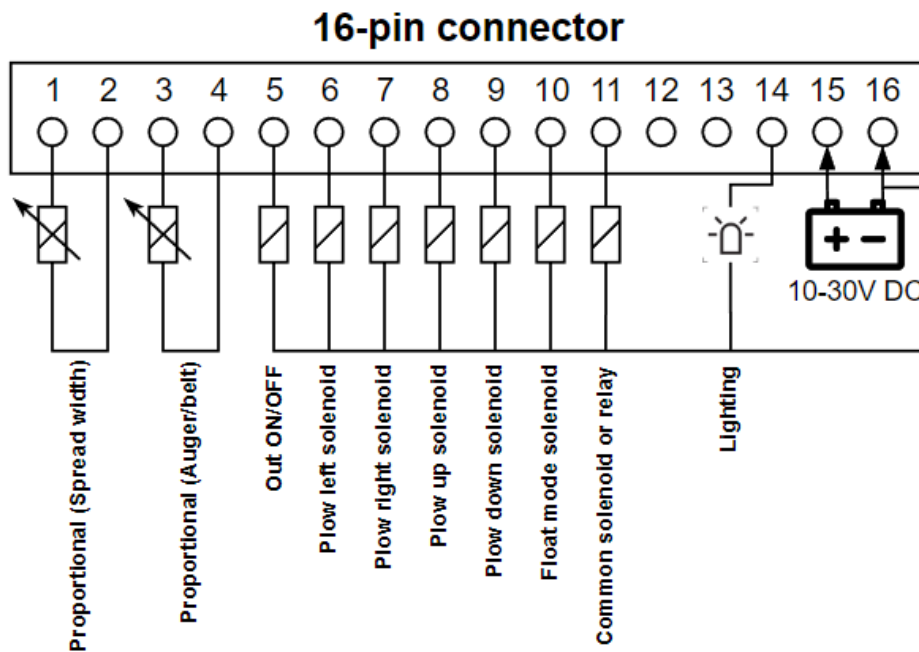|	Unit	Description, value
Supply voltage	V DC	10-30
Dimensions	mm	220 x 190 x 120
Connection type		16-pin connector
Protection class		IP 51
Outputs	A	Solenoid coils (proportional): 2 x 2,5 (max.) Solenoid coils (ON/OFF): 7 x 2,5 (max.) Lighting: 1 x 2,5 (max.)

4. Functions

1	Float mode ON/OFF
2	Lighting ON/OFF
3	OUT Hydraulic Pressure ON/OFF
4	Power ON/OFF
5	Joystick
6	Spread width potentiometer
7	Auger/belt potentiometer

5. Connections

- **16-pin connector**

Pin Number	Connection	Pin Number	Connection
1	Proportional (Spread width)	9	Plow down solenoid
2	Proportional (Spread width)	10	Float mode solenoid
3	Proportional (Auger/belt)	11	Common solenoid or relay
4	Proportional (Auger/belt)	12	N/A
5	Out ON/OFF	13	N/A
6	Plow left solenoid	14	Lighting (+)
7	Plow right solenoid	15	Main Vcc (+)
8	Plow up solenoid	16	Main GND (-)

- **Connection diagram**