



ENGLISH

Datasheet

Stock No: 244-2686

RS Pro DC Motor Controller, Potentiometer Control, 24 V, 12 A, Box Mount



Product Details

Low Voltage Reversing Controller

Reversing versions of the RS low voltage controllers, allowing both forward and reverse direction control of the motor speed.

Specifications:

Supply Voltage	24 V
Current Rating	12 A
Voltage Rating	24 V dc
Control Input	Potentiometer
Mounting Style	Box
Length	216mm
Width	134mm
Depth	82mm
Dimensions	216 x 134 x 82 mm



Speed Controller Adjustments

The speed of the motor is controlled by the setting on the Speed Control Potentiometer connected to terminals H S L.

H preset: This is the HIGH speed adjustment.
This sets the maximum motor armature voltage.
Set the speed control potentiometer to maximum speed (clockwise) and adjust the H preset to set the maximum required speed. The H adjustment will require slight re-adjustment after adjusting the L preset since the two adjustments are related.

L Preset: This is the LOW speed adjustment.
This sets the minimum motor armature voltage.
Set the speed control potentiometer to minimum speed (anticlockwise) and adjust the L preset to set the minimum required speed. The L adjustment will require slight re-adjustment after adjusting the H preset since the two adjustments are related.

OL Preset: This is the electronic CURRENT limit. This adjustment sets the maximum current (torque) limit and is factory set at maximum (clockwise). If reduced (anticlockwise) it will reduce the peak current to the motor. The operating range is 1.5 times the continuous rating of the controller, this allows for acceleration currents.

IR Preset: This is the LOAD COMPENSATION adjustment.
This allows the no-load to full load speed loss to be improved. It is factory set at minimum (anticlockwise) and maybe increased (clockwise) to compensate for the fall in motor speed with increase in mechanical load (torque demand). Over adjustment of the compensation preset will result in the motor speed oscillating which is described as motor speed 'hunting'. It is normally adjusted by running the motor at minimum or low speed and adjusting to give the same speed at no load and at full load. If the speed increases at full load reduce the setting slightly.

Note: Minimum = Anticlockwise
Maximum = Clockwise