This unit is designed to regulate field current thus controlling the field flux of a DC shunt wound motor.

Remote adjustments can be made to the field current via an externally derived setpoint. This setpoint can be set by either a potentiometer (configured as shown) or a suitable 0-10VDC analog reference voltage. The input impedance of terminal 6 is 50K.

Loss of field current is detected and an indication is provided by "volt-free" contact relay switching.

The unit can be configured to remotely switch the field on and off via a contact closure.

The field voltage available to achieve full current is determined by the AC input voltage. The DC voltage available at F+ & F- will be approximately .9 x supply volts. Example: (240VAC line x .9 = 216VDC field volts maximum). Please consult Bardac for more details.