1: Analogue velocity

The speed is controlled by the analogue input.

0-3000 RPM

The integrated JVL stepper motors have servo-like performance with up to 3000RPM and extreme dynamics –
we call them ServoStep™

2: Analogue to position

The position is controlled by the analogue input.

The resolution is astonishing 409600 counts per revolution, allowing extreme fine positioning.

3: Analogue torque control

The torque (motor current) is controlled by the analogue input.

0-4 Ampera/Phase

8 configurable I/O's is standard on all JVL MIS motors.
Can be setup as inputs, outputs, and analogue inputs.
Also available for in your PLC for local I/O connection.

4: Gear mode controlled by the encoder - Analogue input adjusts the gearing

The position is controlled by the encoder input.
The gearing factor is adjusted by the analogue input.

The RS422 multifunction I/O can be used as encoder input.
Encoder out, DMX 512, Modbus RTU and SSI is also possible.

5: Reset

The embedded PLC program will restart, clear any present error messages, and perform a new homing.

The built-in ePLC is quite advanced and can be used for stand-alone operation, or as an extremely fast local PLC operating in microseconds.