

CURTIS AC Motor Controller Parameter List

Model: 1230-2402

Vehicle Type: EP Stacker ES-16

| Menu | Value | Min | Max | Unit | Read Access | Write Access |
|-------------------------------|--------------|------------|------------|-------------|--------------------|---------------------|
| Vehicle | | | | | | |
| Rates | | | | | | |
| M1 Accel Rate | 3 | 0.1 | 5 | Seconds | User | User |
| M2 Accel Rate | 2 | 0.1 | 5 | Seconds | User | User |
| M1 Decel Rate | 2 | 0.1 | 10 | Seconds | User | User |
| M2 Decel Rate | 2 | 0.1 | 10 | Seconds | User | User |
| M1 Brake Rate | 2 | 0.1 | 5 | Seconds | User | User |
| M2 Brake Rate | 2 | 0.1 | 5 | Seconds | User | User |
| Fast Stop Rate | 1 | 0.1 | 5 | Seconds | OEM | OEM |
| Accel Release Rate | 0.5 | 0 | 1 | Seconds | OEM | OEM |
| Speeds | | | | | | |
| M1 Min Speed | 0 | 0 | 50 | % | User | User |
| M2 Min Speed | 0 | 0 | 50 | % | User | User |
| M1 Max Speed | 100 | 5 | 100 | % | User | User |
| M2 Max Speed | 60 | 5 | 100 | % | User | User |
| Speed Limit Type | 0 | 0 | 3 | | OEM | OEM |
| Multi Mode | | | | | | |
| Mode Select Type | 0 | 0 | 3 | | OEM | OEM |
| Coast Decel Rate | 2 | 0.1 | 20 | Seconds | User | User |
| Anti Tiedown | Off | Off | On | | OEM | OEM |
| Throttle | | | | | | |
| Throttle Type | 2 | 1 | 5 | | OEM | OEM |
| Throttle Deadband | 10 | 0 | 30 | % | OEM | OEM |
| Throttle Max | 92 | 40 | 100 | % | User | User |
| Throttle Map | 35 | 5 | 90 | % | User | User |
| Pot Low Check | Off | Off | On | | OEM | OEM |
| Sequencing | | | | | | |
| Interlock Normally Open | On | Off | On | | OEM | OEM |
| Sequencing Delay | 0.2 | 0 | 3 | Seconds | OEM | OEM |
| SRO | 0 | 0 | 3 | | OEM | OEM |
| HPD | 0 | 0 | 2 | | OEM | OEM |
| Main Contactor Interlock Type | 1 | 0 | 1 | | OEM | OEM |
| Main Contactor Open Delay | 60 | 0 | 60 | Seconds | OEM | OEM |
| Main Contactor Check | Off | Off | On | | OEM | OEM |
| Brake | | | | | | |
| Brake Fault Check | On | Off | On | | OEM | OEM |
| Brake Delay | 0 | 0 | 10 | Seconds | OEM | OEM |
| Brake Hold Voltage | 86 | 0 | 100 | % | OEM | OEM |
| Brake Driver Type | 0 | 0 | 3 | | OEM | OEM |
| Anti Rollback Time | 400 | 0 | 1000 | ms | OEM | OEM |
| Emergency Reverse | | | | | | |
| Wiring Check | Off | Off | On | | OEM | OEM |
| Speed | 100 | 10 | 100 | % | OEM | OEM |
| Direction Interlock | Off | Off | On | | OEM | OEM |
| Time Limit | 2 | 0 | 10 | Seconds | OEM | OEM |
| Accel Rate | 1 | 0.1 | 5 | Seconds | OEM | OEM |
| Switch Normally Closed | Off | Off | On | | OEM | OEM |

NOCO SHOP

Website: <https://www.noco-evco.com/> Email: info@noco-evco.com

| Menu | Value | Min | Max | Unit | Read Access | Write Access |
|----------------------------|-------|------|--------|---------|-------------|--------------|
| Motor | | | | | | |
| Min Motor Voltage | 0.6 | 0 | 6 | Volt | OEM | OEM |
| Nominal Motor Voltage | 17 | 7 | 30 | Volt | OEM | OEM |
| Nominal Motor Frequency | 102 | 20 | 400 | Hz | OEM | OEM |
| Max Motor Speed | 2000 | 1000 | 10000 | rpm | OEM | OEM |
| Current Limit | 175 | 100 | 250 | Ampere | OEM | OEM |
| Current Limit PGain | 25 | 0 | 100 | % | OEM | OEM |
| Current Limit IGain | 12.4 | 0 | 100 | % | OEM | OEM |
| Number of Motor Poles | 4 | 2 | 8 | | OEM | OEM |
| Encoder Pulses per Rev. | 64 | 32 | 128 | | OEM | OEM |
| Swap Encoder Direction | Off | Off | On | | OEM | OEM |
| Failsafe Delay | 20 | 2 | 20 | Seconds | OEM | OEM |
| Control | | | | | | |
| P Gain | 0.3 | 0 | 1 | | OEM | OEM |
| I Gain | 0.3 | 0 | 1.5 | | OEM | OEM |
| Accel Slip | 4.5 | 1 | 9.5 | Hz | OEM | OEM |
| Regen Slip | 4 | 1 | 9.5 | Hz | OEM | OEM |
| Slip Boost | 1 | 0 | 10 | | OEM | OEM |
| Pull-Out Slip | 9.5 | 4.5 | 50 | Hz | OEM | OEM |
| Accel Slip Voltage | 3.5 | 0 | 10 | Volt | OEM | OEM |
| Accel Comp | 1 | 0 | 5 | | OEM | OEM |
| Regen Slip Voltage | 0.5 | 0 | 5 | Volt | OEM | OEM |
| Regen Comp | 3 | 0 | 5 | | OEM | OEM |
| Regen Voltage Offset | 0.2 | 0 | 5 | Volt | OEM | OEM |
| System | | | | | | |
| Battery | | | | | | |
| Full Battery Voltage | 2.04 | 1.74 | 2.08 | Volt | OEM | OEM |
| Empty Battery Voltage | 1.73 | 0.9 | 2.03 | Volt | OEM | OEM |
| BDI Reset Battery Voltage | 2.09 | 2.05 | 3 | Volt | OEM | OEM |
| Battery Recharge Level | 20 | 20 | 50 | % | OEM | OEM |
| Low Voltage Level | 1.5 | 1.33 | 2 | Volt | OEM | OEM |
| Hourmeter | | | | | | |
| Enable Total Service Hours | Off | Off | On | | OEM | OEM |
| Enable Drive Service Hours | Off | Off | On | | OEM | OEM |
| Adjust Hours | 0 | 0 | 999999 | Hours | OEM | OEM |
| Set Total Hours | Off | Off | On | | OEM | OEM |
| Set Drive Hours | Off | Off | On | | OEM | OEM |
| Total Service Hours | 5000 | 100 | 5000 | Hours | OEM | OEM |
| Drive Service Hours | 5000 | 100 | 5000 | Hours | OEM | OEM |
| Total Disable Hours | 10 | 0 | 500 | Hours | OEM | OEM |
| Drive Disable Hours | 10 | 0 | 500 | Hours | OEM | OEM |
| Drive Disable Speed | 20 | 0 | 100 | % | OEM | OEM |
| Service Total Expired | Off | Off | On | | Service | Service |
| Service Drive Expired | Off | Off | On | | Service | Service |
| Power Save Delay | 0 | 0 | 240 | Minutes | OEM | OEM |
| Inhibit Input Type | 1 | 0 | 2 | | OEM | OEM |
| Fault Code | On | Off | On | | OEM | OEM |