

Riello UPS Systems

NOTE, We do not supply or support UPS systems, - sorry.

Display information and fault information how to set bypass mode

User Messages

| Display | Meaning |
|---------|---|
| U01 | Low battery warning |
| U02 | Programmed switch-off enabled |
| U03 | Programmed switch-off imminent |
| U04 | Bypass disabled |
| U05 | Synchronisation disabled (UPS in free running mode) |
| U06 | Waiting for battery charging |
| U07 | Service UPS |
| U08 | Service batteries |

Alerts

| Display | Meaning |
|---------|--|
| A06 | Sensor1 temperature under 0°C |
| A08 | Sensor2 temperature under 0°C |
| A54 | Load percentage greater than the user threshold set |
| A61 | Replace battery |
| A62 | Batteries missing or Battery Box missing / not connected |
| A63 | Waiting for battery to charge |

Faults

It is worth sorting these as they usually don't improve when left

| Display | Meaning |
|---------|--|
| F01 | Internal communication error |
| F02 | Phase 1 input fuse blown |
| F03 | incorrect auxiliary power supply |
| F04 | Heatsink over temperature |
| F05 | Temperature sensor 1 fault |
| F07 | Temperature sensor 2 fault |
| F09 | Precharge of positive branch condensers failed |
| F10 | Precharge of negative branch condensers failed |
| F11 | input relay fault |
| F13 | Capacitor pre-charge failed |
| F21 | Capacitor bank overvoltage |
| F23 | Output overload |
| F33 | Battery measures error |
| F38 | Battery charger fault |
| F40 | Inverter overvoltage |
| F41 | Continuous output voltage |
| F42 | Incorrect inverter voltage |
| F43 | Inverter under voltage |
| F50 | Overload: load > 103% |
| F51 | Overload: load > 110% |
| F52 | Overload: load > 150% |
| F53 | Short Circuit |
| F55 | Waiting for load reduction to return to inverter |
| F60 | Battery Over Voltage |

Command Settings

NOTE C02 is very useful and bypass can be selected depending on the model

Older models have a rocker switch under the battery cover labelled I/II this is the bypass control switch

Newer models need a button mash to get there hold 'ON' and 'SEL' for 4 seconds

| Display Meaning | |
|-----------------|----------------------------------|
| C01 | Remote control 1 (Switch On/Off) |
| C02 | Remote control 2 (Bypass Mode) |
| C03 | Remote control 3 (Switch On/Off) |
| C04 | Battery test in progress |

Lockouts

At this point the UPS has stopped being a UPS but may still provide power on bypass

Control card is not inserted correctly

| Display Meaning | |
|-----------------|---|
| L02 | Control card is not inserted correctly |
| L03 | incorrect auxiliary power supply |
| L04 | Heatsink over temperature |
| L05 | Temperature sensor 1 fault |
| L07 | Temperature sensor 2 fault |
| L10 | Input fuse broken or input relay stuck (does not close) |
| L11 | Input relay fault |
| L13 | Capacitor pre-charge failed |
| L20 | Capacitor bank undervoltage |
| L21 | Capacitor bank overvoltage |
| L40 | Inverter overvoltage |
| L41 | Continuous output voltage |
| L42 | Incorrect inverter voltage |
| L43 | Inverter under voltage |
| L50 | Overload - load > 103% |
| L51 | Overload - load > 110% |
| L52 | Overload - load > 150% |
| L53 | Short circuit |

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