3.6. Power cuts or drops

The 40/50 series central unit disposes of a time delay in order to save the necessary information for the next startup should there be a power drop or cut.

Saving program internal data is only possible on the 40/50 series central unit which possesses an battery. Prior configuration of the central unit is required to save all or part of the data (see chapter 5). If the configuration is absent then all functions and internal data will be reset to 0.

The intermediate calculations of the functions used in the user program, necessary for the following cycles, are placed in variables called historic variables. It is also possible to save historic variables.

4. References

Products	Description	References
Central units		
40 Series		
07 CR 41 24VDC	Extensible stand-alone central unit, with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply.	1SBP260020R1001
07 CR 41 120/230VAC	Extensible stand-alone central unit, with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 interface for programming or ASCII or MODBUS® communication 24 V d. c. power supply output to power inputs 120 / 230 V a.c. power supply	1SBP260021R1001
07 CT 41 24VDC	Extensible stand-alone central unit, with 8 isolated inputs 24 V d.c. and 6 incorporated transistor outputs 24 V d.c. / 0.5 A RS232 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	1SBP260022R1001
50 Series		
07 KR 51 24VDC	Extensible central unit with CS31 bus with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 or RS485 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	1SBP260010R1001
07 KR 51 120/230VAC	Extensible central unit with CS31 bus with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 or RS485 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply output to power inputs 120 / 230 V a.c. power supply.	1SBP260011R1001
07 KT 51 24VDC	Extensible central unit with CS31 bus with 8 isolated inputs 24 V d.c. and 6 incorporated transistor outputs 24 V d.c. / 0.5 A RS232 or RS485 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	1SBP260012R1001
Programming software		
ABB AC31GRAF	Programming software for central units, under Windows® 3.x, NT and 95/98. English version	1SBS260250R1001
ABB AC31GRAF	Programming software for central units, under Windows® 3.x, NT and 95/98. French version	1SBS260251R1001
ABB AC31GRAF	Programming software for central units, under Windows® 3.x, NT and 95/98. Italian version	1SBS260252R1001

Products	Description	References
Central units		
90 Series		
07 KR 91 230VAC	Extensible central unit with CS31 bus, memory 20 isolated inputs 24 V d.c. and 12 relay outputs 250 V a.c. / 2 A 120/230 V a.c. power supply.	GJR5250000R0252
07 KR 91 24VDC	Extensible central unit with CS31 bus 20 isolated inputs 24 V d.c. and 12 relay outputs 250 V a.c. / 2 A 24 V d. c. power supply	GJR5250000R0202
07 KT 92 24VDC	Extensible central unit with CS31 bus 12 isolated inputs 24 V d.c. and 8 transistor outputs 24 V d.c. / 0.5 A with 4 analog inputs and 2 analog outputs interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	GJR5250500R0202
07 KT 92 24VDC	Extensible central unit with CS31 bus 12 isolated inputs 24 V d.c. and 8 transistor outputs 24 V d.c. / 0.5 A with 4 analog inputs and 2 analog outputs interface for programming or ASCII or MODBUS® and ARCNET communication 24 V d.c. power supply	GJR5250500R0262
07 KT 93-S 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A with security automation 24 V d.c. power supply	GJR5251300R2171
07 KT 93 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	GJR5251300R0303
07 KT 93 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A interface for programming or ASCII or MODBUS® and ARCNET communication 24 V d.c. power supply	GJR5251300R0363
07 KT 94 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A 8 channels configurable for inputs or transistor outputs 24 V d.c. / 0.5 A 8 analog inputs and 4 analog outputs interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	GJR5252100R0101
07 KT 94 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A 8 channels configurable for inputs or transistor outputs 24 V d.c. / 0.5 A 8 analog inputs and 4 analog outputs interface for programming or ASCII or MODBUS® and ARCNET communication 24 V d.c. power supply	GJR5252100R0161

Products	Description	References
90 Series		
Communication couplers		
07 KP 90 *	RCOM protocol master / slave interface 24 V d.c. power supply.	GJR5251000R0202
07 KP 91 *	EIB coupler	1SAY110165R0003
07 MK 92	Two “C” programmable RS232 / RS422 or RS485 interfaces 24 V d.c. power supply	GATS110098R1161
07 KP 93	Two MODBUS® protocol RS232 / RS422 or RS485 interfaces slave / slave or master 24 V d.c. power supply	GATS110100R0001
07 KP 95 *	Coupler for ADVANT AF 100 network	GJR5252000R0101
07 KP 96 *	PDnet coupler in order to communicate with 24 V d.c. power supply KOAX KOAX with redundancy Optic fiber (plastic) LWL Optic fiber (plastic) LWL with redundancy Optic fiber (glass) LWL Optic fiber (glass) LWL with redundancy	 GATS110112R0001 GATS110112R0011 GATS110112R0002 GATS110112R0012 GATS110112R0003 GATS110112R0013

* Special software is necessary for these products