

Qoltec[®]



OPERATING INSTRUCTIONS

**Electronic TIMER programmer for DIN rail
with built-in battery**

Model: 50983

INTRODUCTION

Thank you for your trust and for choosing our product. We are confident that the product will meet your expectations. This manual contains instructions for installing and using the product, including important safety instructions for proper operation and installation. If you have any questions after reading this manual, please contact our Customer Service Department.

ABOUT THE PRODUCT

The device allows you to set up to 16 ON/OFF programmes and 18 pulses with an accuracy of 1 minute, as well as countdown mode and automatic time correction. The programmer has an LCD display, battery backup to maintain settings and protection against data loss. Ideal for automating electrical devices on a daily or weekly cycle.

Figure 1 in the appendix

FUNCTIONS

- DIN rail mounting
- Advanced settings for up to one week
- General-purpose digital programmer with daily and weekly switching function
- Repeatable programmes with 16 ON/OFF settings, 18 pulses, and manual setting
- Lithium battery for power backup during power failure (battery life 10^5 cycles)
- Automatic time correction ± 30 sec, weekly

SAFETY INFORMATION

To ensure correct and safe operation of the device, please read the following recommendations carefully before installation and use:

1. The device may only be installed and operated by trained or authorised persons in accordance with local electrical installation regulations.
2. Do not open the casing or make any modifications – this may result in electric shock or damage to the device.

3. Before installation, ensure that the supply voltage complies with the device specifications.
4. Do not use the device in a damp environment or where it is exposed to direct water.
5. Do not overload the programmer outputs – check the maximum permissible load.
6. If you suspect a fault, immediately disconnect the device from the power supply and contact an authorised service centre.
7. Do not connect the device to damaged cables or installations of questionable technical condition.



TECHNICAL SPECIFICATIONS

Voltage range:	AC 220–250V 50/60Hz (DC12V, DC24V, AC110V, AC380V, AC/DC24V-240V)
Voltage tolerance:	±10%
Hysteresis:	≤2 seconds/day (25°C)
ON/OFF operation:	16x ON & 16x OFF, 18 pulses
Power consumption:	7.5VA (max.)
Display:	LCD
Mechanical life:	10 ⁷
Electrical service life:	10 ⁵
Minimum interval:	1 minute




KEY DESCRIPTION

1. First use – press the reset key




Step	Key	Programming
1	P	Setting the ON time (display 1)
2	H+/M+	Set the hour and minutes
3	D+	Select days of the week: daily, Mon–Fri, Mon–Sat, Sat–Sun, Mon–Wed, Thu–Sat, Mon–Wed–Fri, Tue–Thu–Sat, other (if daily, do not press the key)
4	P	Setting the OFF time (display 1)




Step	Key	Programming
5	H+/M+	Set the hour and minutes for the switch-off time
6	D+	If daily, skip this step
7	Repeat steps 1–6	Set 2 to 16 programmes on/off
8		Finish settings
9	Hold down "  "	Hold down the "clock" button and press "hour", "minute", "week" to set the current time.

2. PULSE settings ("P" in the lower left corner of the LCD screen)


Step	Key	Programming
1	H+/M+	Enter pulse mode
2	 &H+/M+	Set pulse time base 1 sec – 59 min 59 sec
3	 &MANUAL	Confirm pulse range
4	P	Set ON time for pulse 1
5	H+/M+	Set the hour and minutes
6	D+	Select days of the week (as above)
7	Repeat steps 4–6	Set up to 18 pulses
8	p 	Finish
9	H+/M+	Exit pulse setting mode

3. Manual COUNTDOWN ("d" in the lower left corner of the LCD)



Step	Key	Programming
1	Press P& 	Enter countdown mode
2	 H+/M+	Set minutes/seconds
3	MANUAL	Start countdown
4	P	Return to countdown start mode
5	P& 	Exit

Step	Key	Programming
1	Press the P& button 	Enter countdown mode
2	 H+/M+	Set the duration of "ON"
3	Press P (LCD display off)	Set the duration of "OFF"
4	MANUAL	Stop/Resume countdown
5	Press P	Return to countdown start mode
6	P& 	Exit

Automatic time correction - weekly ("d7" in the bottom corner of the LCD)

Step	Key	Programming
1	Press P&MANUAL	Enter settings
2	Press D+	Set correction -30 sec ~ +30 sec
3	Press 	Confirm

TIME SYNCHRONISATION

1. Press " " and "D+" to set today's date.
2. Press  and press "H+/M+" to change the hour/minute
3. After setting all programmes, press "MANUAL" to display the time in the lower left corner
4. Check that "P" stands for pulse, "d" stands for countdown, etc.
5. Use "MANUAL" to set the time, then "MANUAL" again to finish

"MANUAL" manually sets the device to turn on/off

6. Press "MANUAL" to switch on/off outside the time set in the schedule
7. Press "D+" and "H+" for 3 seconds to clear everything
8. Press "RESET" to restart – data will be deleted and cannot be restored

NOTE

1. The switching time must be set in sequence – it is not possible to set them simultaneously

2. The system will automatically switch off if you do not perform an operation within 10 seconds.
3. Functions 3, 4, and 5 cannot be used simultaneously

MAINTENANCE

1. Keep clean using a soft, dry cloth to remove dust and dirt. Do not use chemicals.
2. Regularly check power cords and connectors for damage such as fraying, cracks or loose connections.

DISPOSAL

This product is subject to the Waste Electrical and Electronic Equipment (WEEE) regulations. Take it to an electrical waste collection point that ensures safe recycling in accordance with GPSR standards. Check where your nearest electrical waste collection points are located. If you have any questions about disposal, contact the manufacturer or an authorised service centre.

WARRANTY AND SERVICE INFORMATION

The product is covered by a 24-month manufacturer's warranty, calculated from the date of purchase. The warranty covers all material and manufacturing defects. Please contact our service department in case of any problems with the device to ensure fast and professional service. The warranty does not cover damage resulting from misuse, falls, mechanical damage, unauthorised repairs or attempts at disassembly.

Attachement 1

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