



Analog Timer (SMD-720) Manual

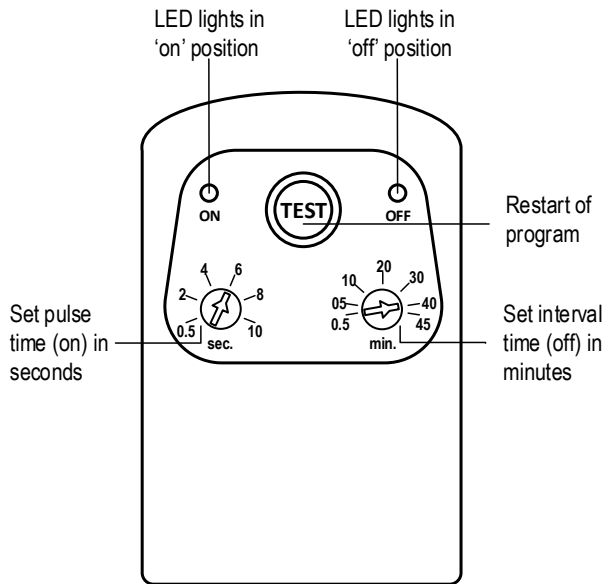
Robust analog timer for electric valves. The switch has a repeating on-off program with an adjustable pulse (on) of 0 to 10 seconds and an interval time (off) of 0 to 45 minutes. The program can be stopped by interrupting the power supply. Press the TEST button to restart the program. The last used program is stored in the memory and is active (in the initial state) when the power supply is reconnected or the TEST button is pressed. The timer is compatible with the EN 175301-803 connector (formerly DIN 43650A).



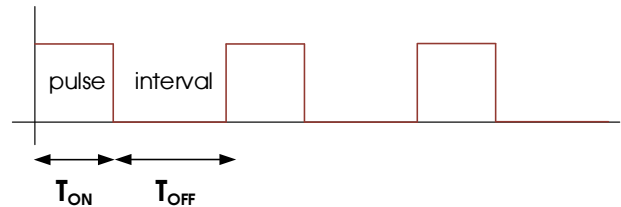
Ideal for

- ➔ Automatic condensate drains
- ➔ Sample collections
- ➔ Lubricating systems
- ➔ Air dryers

1. PRODUCT SPECIFICATION



Parameter	Value
Voltage	24-230V AC/DC 50Hz/60Hz
Current (continuous)	1A
Current (peak)	10A during 10 ms
Standby power consumption	4mA max
Operating temperature	-10°C .. +50°C
Lifetime switch	3*10 ⁸ x switching
Time ON	from 0 to 10 seconds (potentiometer)
Time OFF	from 0 to 45 minutes (potentiometer)
Program	repeating ON-OFF
Indicator	Red LED's
Connector	EN 175301-803 (formerly DIN 43650A)
IP-rating	IP65-EN 60529



2. SAFETY INSTRUCTIONS

- ▶ This product is not a safety device and may not be used as such.
- ▶ Damage caused by improper use, falling, improper operating conditions or others, can cause that the solenoid valve is not functioning properly. Therefore, the product should not be used in applications where a malfunction can cause danger or damage.
- ▶ Correct transport, proper storage and installation, and proper use and maintenance, are essential for reliable and error-free operation.
- ▶ Check the compatibility of the medium used, temperature and other operating conditions with the materials and specifications of the product. It is the responsibility of the user to select the right product for the application.
- ▶ Never exceed the limits for current, voltage or frequency as indicated on the product and/or in the technical documentation.
- ▶ It is not allowed to change the construction of this device.
- ▶ Beware of electric shock when working with electrical equipment. The product only meets the protection class IP-65 if all seals, connectors and cables are properly connected.

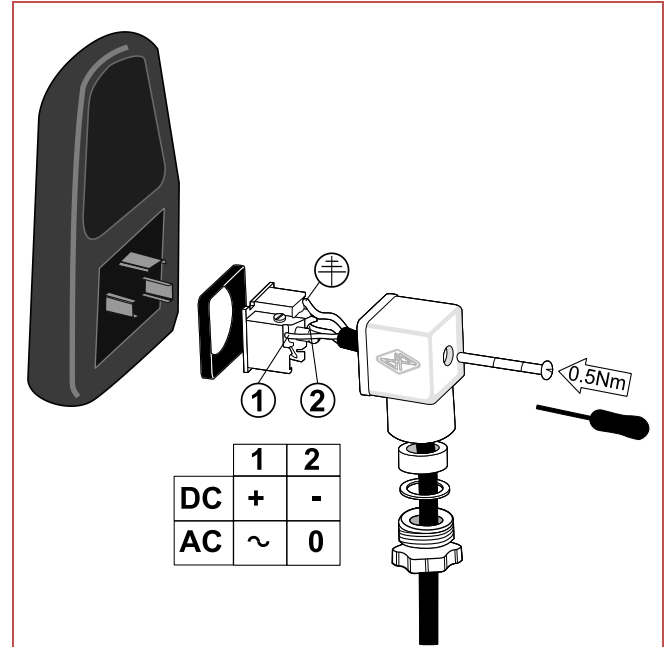
3. INSTALLATION AND MAINTENANCE

3.1. Safety instructions before starting

- ▶ It is recommended to install the product in a dry and ventilated environment. In moist environments, make sure that no moisture can penetrate the coil or device. Install the device in a safe way to avoid electric shock, burning, or other injuries. Make sure the device is not in contact with or in the vicinity of flammable materials.
- ▶ Operations may only be performed when the system is not pressurized, electrically disconnected and cooled down.
- ▶ Turn off the power supply before performing any work on the device to prevent the risk of electrical shock and to prevent activation of the device. Never connect the power supply, until the installation is completed and the opening or closing of the valve is safe.
- ▶ The product is only safe when properly installed and operated by qualified persons. Please read the safety instructions and technical documentation carefully before installation, use or servicing.
- ▶ Ensure a controlled commissioning after installation or maintenance.

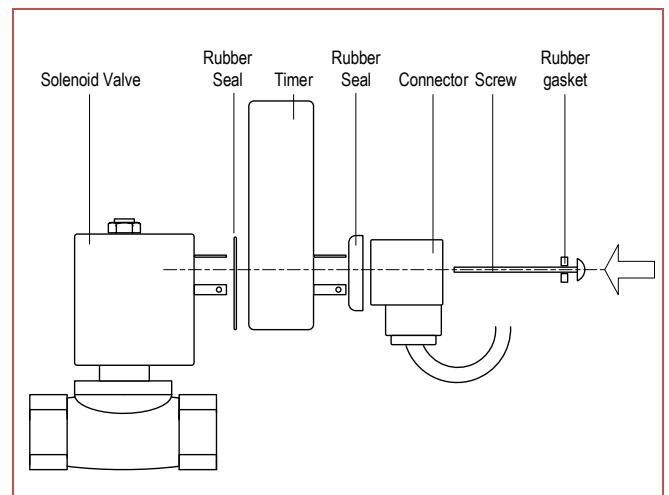
3.2. Electrical connection

- ▶ Connect terminal (1) to the positive pole (DC) or the phase wire (AC). Terminal (2) must be connected to the negative pole (DC) or neutral wire (AC). Always connect the ground. In the following drawing the correct wiring is shown.



3.3. Installation of the timer

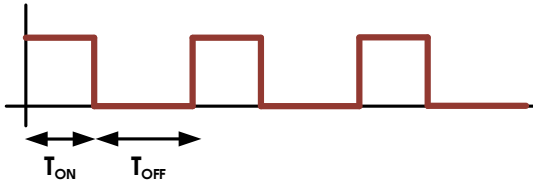
- ▶ Install the timer between the solenoid valve and the connector as shown in the diagram below. It is important that all parts are clean and dry. Ensure that the rubber seals are well positioned to protect the construction against moisture. Tighten the screw until the rubbers seal properly, but do not exceed 0.5Nm.





4. SETUP PROGRAM

The timer has a repeating ON-OFF program. The program may be interrupted by terminating the power supply. The program can be restarted by pressing the TEST button or interrupting the power supply and connecting again. Set the two rotary knobs by hand or with a small screwdriver to the desired position. The left knob (ON period) has an indication in seconds, the right knob (OFF-period) has a minute indication.



Sample application

This manual can be downloaded from www.jpfluidcontrol.com

Modifications reserved

© JP Fluid Control

This document has been prepared with great care. JP Fluid control assumes no responsibility for any errors that may appear in this document. No rights can be derived from this document