

AIR-SAVER G1

Air saving products



11/09

GENERAL OPERATION

A typical compressed air system has air loss through pipe work connections, leaking float type drains etc. At the end of the working shift the AIR-SAVER will shut the air tank off from the rest of the system.

The content of the compressed air tank will be saved, rather than lost through leakages.

The AIR-SAVER is installed on the air outlet of the air tank. The AIR-SAVER opens automatically prior to the working shift and closes automatically after the working shift is over.

SAFETY INSTRUCTIONS

SAFETY AND PROPER USAGE

To ensure safe and enduring performance of this product, you must comply strictly with the instructions enclosed herein. Non-compliance with instructions or improper handling of the product will void your warranty! Usage of this product in conditions not specified in this manual or in contrary to the instructions hereby provided is considered IMPROPER. The manufacturer will not be held liable for any damages resulting from improper use of the product.

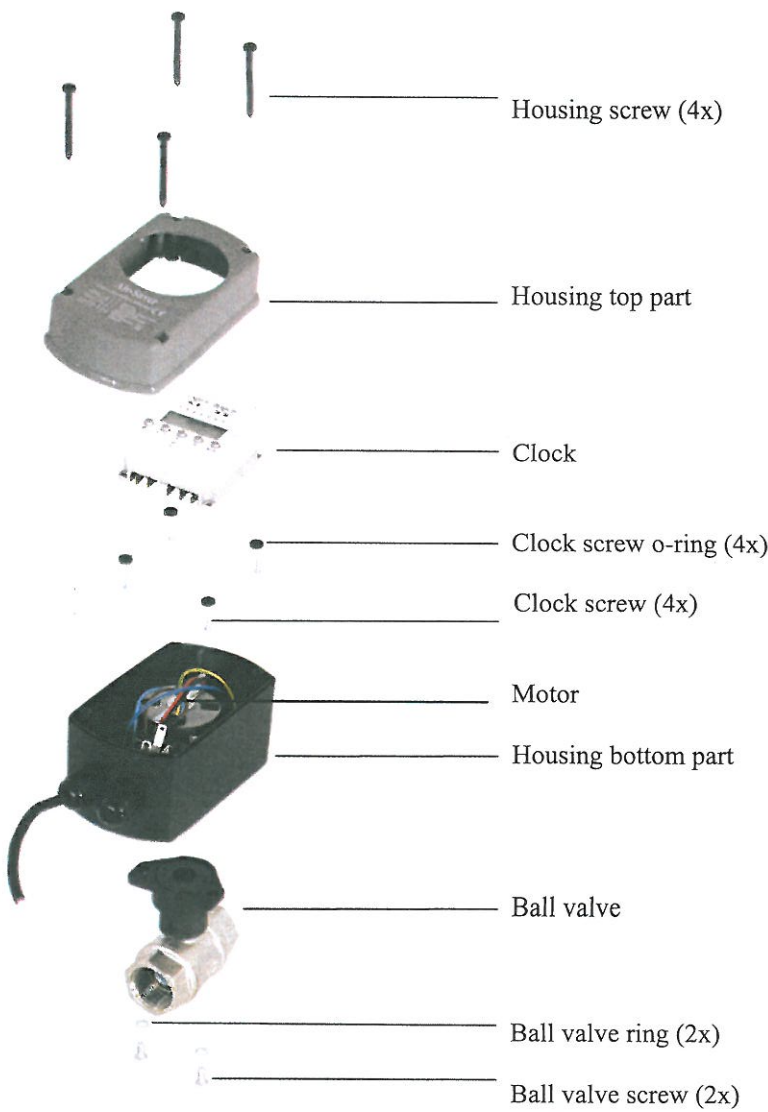
SAFETY & WARNING INSTRUCTIONS

ATTENTION

- Observe valid and generally accepted safety rules when planning, installing and using this product.
- Take proper measures to prevent unintentional operation of the product or damage to it.
- Do not attempt to disassemble this product or lines in the system while they are under pressure.
- Always depressurise the compressed air system before working on the system.

It is important that personnel use safe working practices and observe all regulations and legal requirements for safety when operating this product. When handling, operating or carrying out maintenance on this product, personnel must employ safe engineering practices and observe all local health & safety requirements & regulations. International users refer to regulations that prevail within the country of installation. Most accidents, which occur during the operation and maintenance of machinery, are the result of failure to observe basic safety rules or precautions. An accident can often be avoided by recognising a situation that is potentially dangerous. Improper operation or maintenance of this product could be dangerous and result in an accident causing injury or death. The manufacturer cannot anticipate every possible circumstance, which may represent a potential hazard. The WARNINGS in this manual cover the most common potential hazards and are therefore not all-inclusive. If the user employs an operating procedure, an item of equipment or a method of working which is not specifically recommended by the manufacturer he must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.

EXPLODED VIEW - IDENTIFY ALL COMPONENTS DIAGRAM

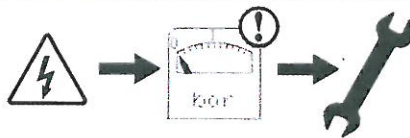


INSTALLATION INSTRUCTIONS

IMPORTANT NOTICE

Before installing this product, make sure it complies with your request and that it suits your application!

1. Unpack the unit and visually inspect for any transport damage incurred after leaving our factory.

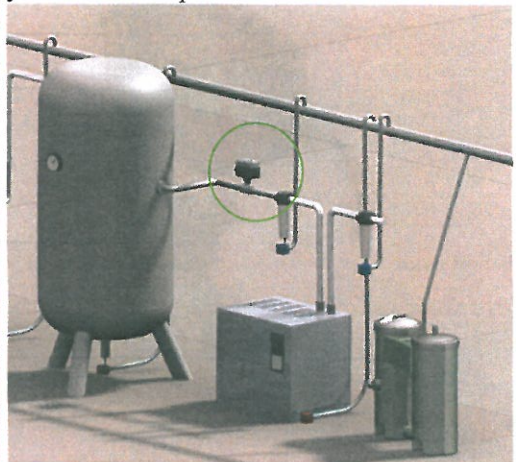


2. Depressurise the system before installation or maintenance is carried out!

3. Installation Notes:

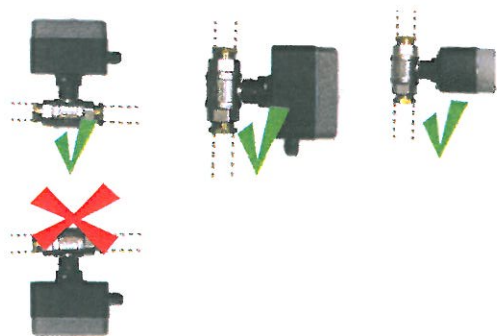
- Make sure that no solid matter (e.g. sealing compound residue) gets into the unit during the installation.
- Make sure that the pipeline is thoroughly clean.
- Use quality sealing compound only!
- Use proper tools for fixing the unit to your pipe work! Never use the unit as a lever.
- The valve can be mounted in any position (see page 5, but recommended is upright).

4. Locate a suitable point in your compressed air system to place your AIR-SAVER. We advise to install the AIR-SAVER as close to your air tank as possible.

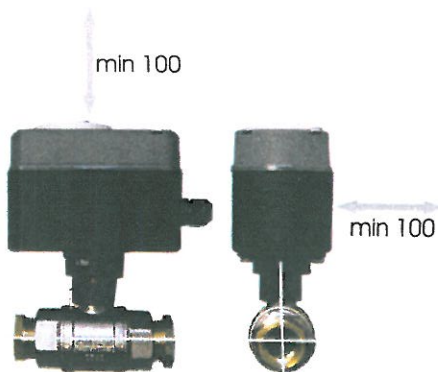


INSTALLATION INSTRUCTIONS

5. The motorised ball valve of the AIR-SAVER usually operates in any mounting position. However we recommend that the valve is mounted upright or side ways.

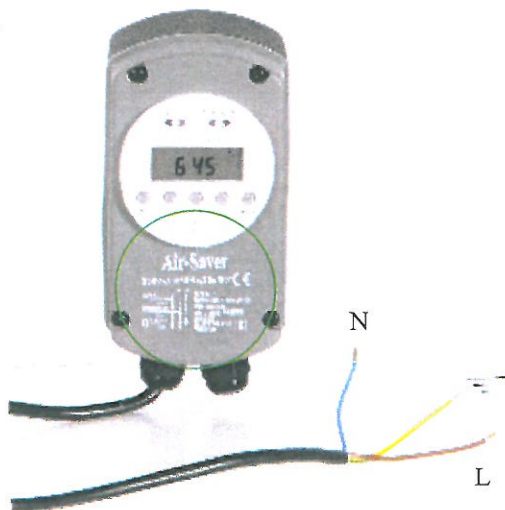


6. Minimum space required around the unit is 100 mm.



7. Make sure that your power supply voltage and frequency comply with those stated on the AIR-SAVER before you switch it on.

(Grounding is required)!

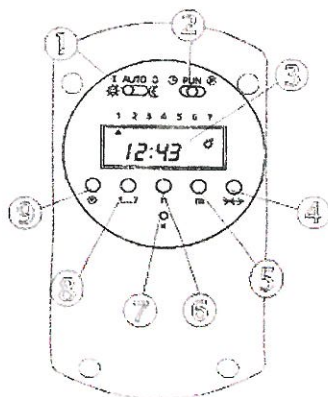


8. Your AIR-SAVER is ready for programming (see page 6 - 8).

PROGRAMMING INSTRUCTIONS

1. Control panel identification

- 1: Mode selector switch 1 (operation mode)
- 2: Mode selector switch 2 (setting time, program)
- 3: LCD display
- 4: Override button
- 5: Setting the minutes
- 6: Setting the hours
- 7: RESET
- 8: Setting the days
- 9: Programming of timer



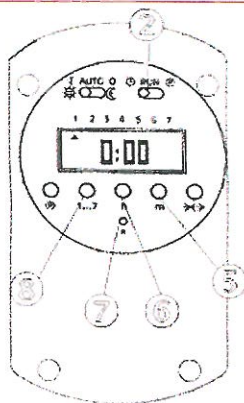
Choosing the correct working mode (Mode selector switch 1):

- AUTO; Unit will work by means of its program (also when using the remote switching feature)
- 1; Unit will OPEN valve permanently (i.e. after hours work shift)
- 0; Unit will CLOSE valve permanently (i.e. holiday factory shutdown)

2. Setting the actual time and day

Before you start programming the unit, move the mode selector switch (2) in to position and shortly press the RESET (7) button to clear the existing program.

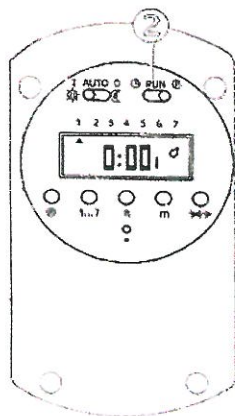
- After pressing the RESET button, the display will look like this . The unit is now ready to be programmed.
- You can set the actual time by pressing the [h] hours (6) and [m] minutes (5).
- You can set the actual day by pressing the [1...7] button (8) (Mon=1, Tue=2, We=3.....).



3. Programming 1st Step

Move the mode selector switch 2 into position . The clock has 16 points: 8 x ON (OPEN the valve) and 8 x OFF (CLOSE the valve). All odd (1,3,5 etc.) switch points opens the valve, all even (2,4,6 etc.) switch points closes the valve. The switch points are numbered from 1 to 16. When programming the unit, the symbol will display when setting a valve open cycle.

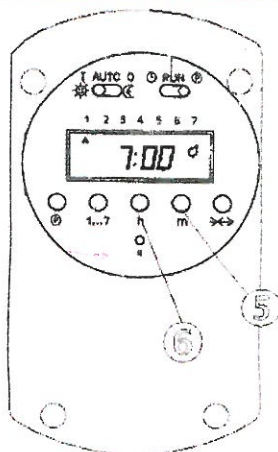
When the following display appears you can enter the first valve open cycle.



PROGRAMMING INSTRUCTIONS

4. Programming 2nd Step

Enter the time you would like the valve to open by means of pressing the (h)hours (6) and (m)minute (5) buttons.

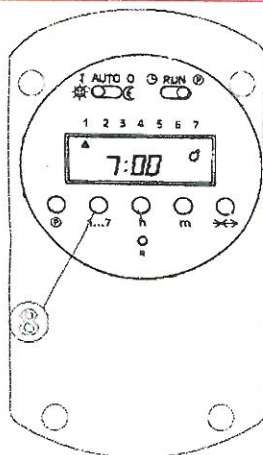


5. Programming 3rd Step

Set the day of the week when the valve should OPEN (by pressing [1...7]) (8).

- set the day (Mon=1, Tue=2, We=3.....)
- Form time blocks Mon-Fri (1/2/3/4/5)
- Mon-Sat (1/2/3/4/5/6)

The day must be set otherwise the switching point will not be activated!

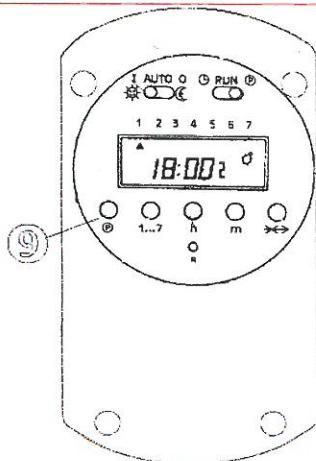


6. Programming 4th Step

By pressing the [P] (9) key, you save the switching point data and go on to the next switching point (CLOSE).

The display will show **0:00**. You can now set the time and day for closing the valve.

By pressing the [P] (9) key, you save the switching point data and go on to the next switching point (OPEN).



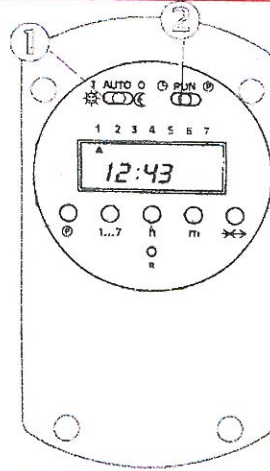
PROGRAMMING INSTRUCTIONS

7. Programming 5th Step

To set the additional OPEN and CLOSE cycles, please refer to step 2, 3 and 4.

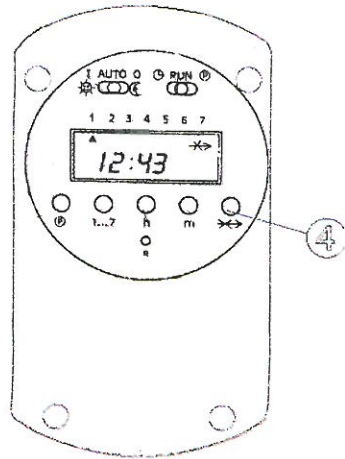
8. Programming 6th Step

After you have finished programming the unit, move the mode selector switch 2 in to position RUN
And move mode selector switch 1 in to position AUTO.
The unit will now operate fully automatically.



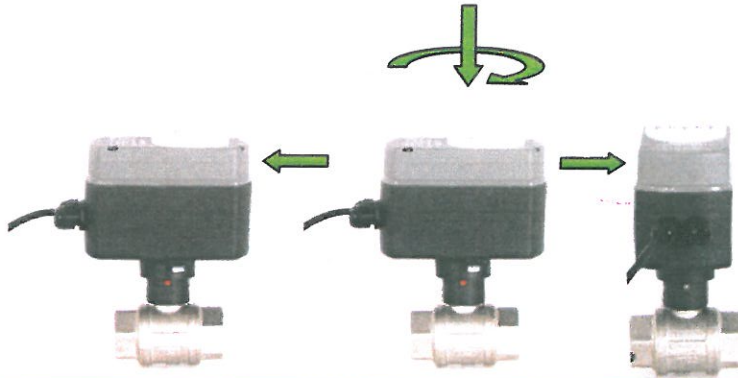
9. Program override button [↔]

By pressing the [↔] (4) button you will override the program for this day (meaning the valve will be closed from the time you press the [↔] (4) button, until 24:00 the same day. When in override mode the ↔ (4) symbol will be displayed, after which the symbol ▲ will be displayed indicating the program mode per day.

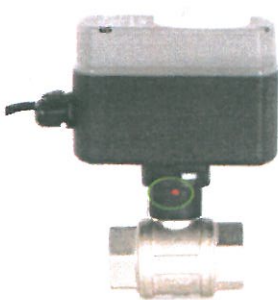


USEFULL FEATURES

You can manually open and close the valve by pushing the actuator towards the ball valve and turning it left or right 90°.



Please note that changing the actuator position vs. the ball valve, will reverse the pre-programmed OPEN and CLOSE settings. (i.e. open will become closed / closed will become open). A visual check on the valves position can be done by checking the indicator.



RED = VALVE OPEN
(DANGER!)



METAL = VALVE CLOSED

SERVICE CHART

Date	Description	Name

TECHNICAL SPECIFICATIONS

Supply Voltage	230VAC or 115VAC 50/60 Hz
Power Consumption	7W during cycle rotation
Opening/Closing duration	30 seconds per 90 degrees
Max. Ambient Temperature	50° Celsius
Max. Medium Temperature	100° Celsius
Min. Pressure	0 Bar
Max. Pressure	16 Bar
Valve Material	1" Brass / Nickel plated
Manual Override	Yes
Remote Controllable	Yes, optional
Environmental Protection	IP54
Timer Display	24 Hours
Program Options	16 Cycles / day, 7 days / week

CERTIFICATIONS

CE	Yes
RoHS	Yes



DIMENSIONS (MM)

