

TEC-11N TIMER

Analogue electronic timer



02/09

GENERAL OPERATION

The TEC-11N timer is produced using SMT (Surface Mounting Technology), ensuring improved performance and consistency in our manufacturing process.

The application of the timer is to control the open (pulse) and closed (pause) cycles of solenoid valves. Cycles range options are: milli-seconds, seconds, minutes and hours. An adjustable cycle potentiometer offers off cycle options, a bright yellow LED indicates in which cycle the timer is operating. The on cycle is fixed.

The TEC-11N timer is designed to fit all solenoid valves with connection type DIN 43650 - B/ISO 6952.

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.

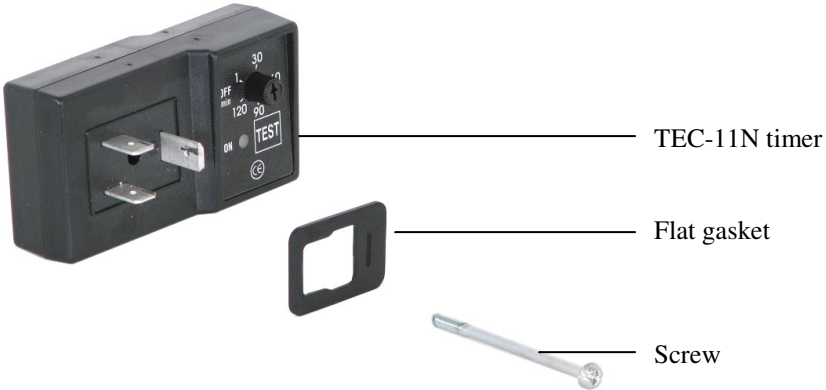
SAFETY & WARNING INSTRUCTIONS

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 AND IDENTIFY ALL COMPONENTS DIAGRAM



INSTALLATION INSTRUCTIONS

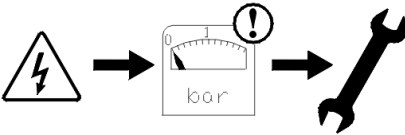
IMPORTANT NOTICE

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

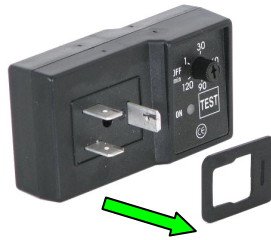
1. Unpack the unit and visually inspect for any transport damage incurred after leaving our factory.



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



3. Remove the flat gasket from the timer connection pins and place the flat gasket over the coil connection pins.



INSTALLATION INSTRUCTIONS

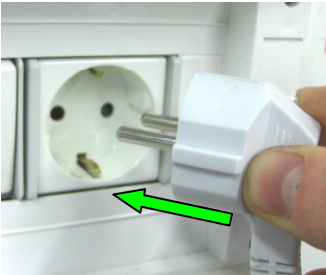
4. Mount the timer on to the coil as illustrated below.



5. Place the connector gasket on the connector and plug the connector on to the timer as illustrated below and tighten the screw (max. 1Nm). Make sure both gaskets are secured properly to ensure IP65 rating.



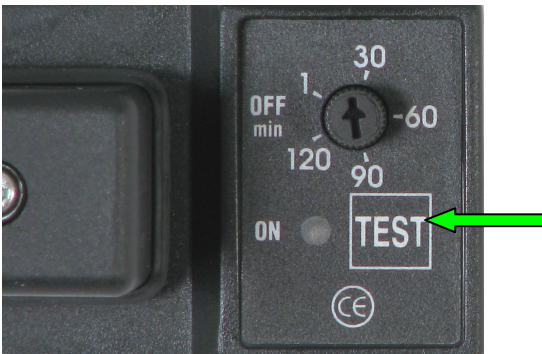
6. After double checking that the power supply corresponds with the voltage specified on the coil and falls within the range specified on the back of the timer, you can switch the power supply ON.



7. Slowly restore normal system pressure. i.e. open the ball valve.



8. Press the TEST button to check the valve function



9. The drain is now at full system pressure and will periodically discharge any condensate it receives from your compressed air system fully automatic and continuous.

You can now alter the OFF time if required (the ON time is pre-set to 2 sec.).

INSTALLATION INSTRUCTIONS

10. Adjust the OFF button to suit your system
i.e. 20 min



11. Your TEC-11N timer is now
ready for operation!

TECHNICAL SPECIFICATIONS

Interval Time (OFF time)	1 to 120 minutes, adjustable
Discharge time (ON time)	2 seconds, fixed
Supply voltage	24 to 240VAC/DC 50/60Hz
Current consumption	4 mA maximum
Manual TEST switch	Yes
Indicators	LED to indicate ON
Housing material	ABS plastic FR grade
Connection	DIN 43650-B/ ISO 6952
Operating temperature	-40° Celcius to 60° Celcius

CERTIFICATIONS

CE	Yes
cULus	Yes
RoHS	Yes
IP65	Yes



DIMENSIONS (MM)

