

## 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.

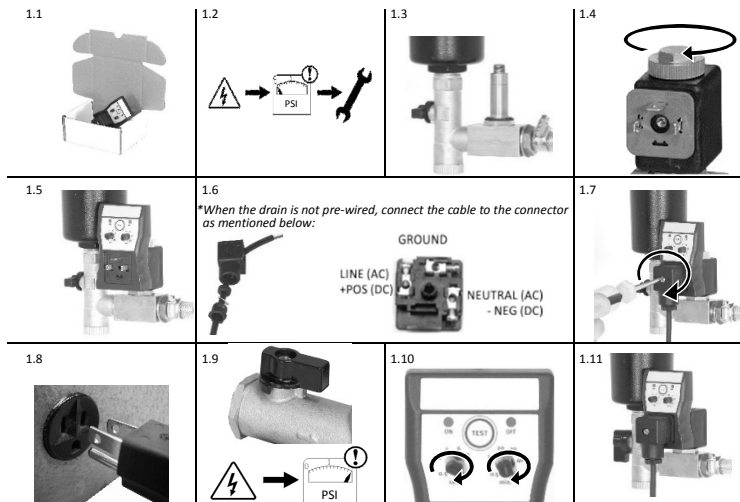
### SAFETY & WARNING INSTRUCTIONS

- 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 depressurize 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 recognizing 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.

### NEVER CHANGE ORIGINAL COMPONENTS WITH ALTERNATIVES

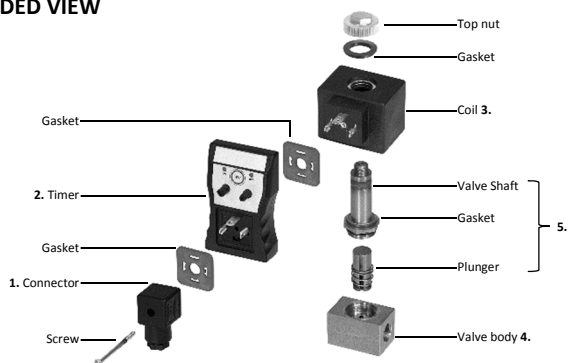
**⚠ WARNING** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



## TECHNICAL SPECIFICATIONS

|                              |                                                                   |              |
|------------------------------|-------------------------------------------------------------------|--------------|
| Maximum compressor capacity  | Any size                                                          |              |
| Pressure range               | 0 – 250 bar                                                       | 0 – 3600 psi |
| Supply voltage options       | 24 – 240 VAC/DC 50/60Hz<br>(see specifications on timer and coil) |              |
| Medium temperature           | 1 – 50 °C                                                         | 34 – 122 °F  |
| Ambient temperature          | 1 – 50 °C                                                         | 34 – 122 °F  |
| Timer cycle range (ON / OFF) | 0.5 – 10 seconds / 0.5 – 45 minutes                               |              |
| Timer PCB                    | SMD technology                                                    |              |
| Timer cycle indication       | LED                                                               |              |
| Test feature                 | Yes                                                               |              |
| Valve type                   | 2/2 way, direct acting                                            |              |
| Valve orifice                | 1.2 mm                                                            | 0.047 "      |
| Valve seals                  | PTFE                                                              |              |
| Inlet/Outlet connections     | 1/4" (BSP or NPT)                                                 |              |
| Inlet connection height      | 1 cm                                                              | 0.4"         |
| Serviceable valve            | Yes                                                               |              |
| Valve housing material       | Stainless steel                                                   |              |
| Power connection             | DIN 43650-A                                                       |              |
| Environmental protection     | IP65 (NEMA4)                                                      |              |

## EXPLODED VIEW



3625 PSI

## INSTALLATION INSTRUCTIONS

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

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

1.2 Depressurise the system before installation or maintenance is carried out!

1.3 Locate a suitable condensate draining point on your compressed air system and connect your valve.

Connect the outlet to an oil/water separator.

- Make sure the arrow on the valve body complies with the flow direction of the condensate.

- Do not use the valve shaft as lever!

- Removing the coil/timer/connector assembly from the valve, enables an easier installation of the valve.

1.4 Slide the coil on to the valve shaft and screw on the top nut. Make sure the gaskets are placed properly to ensure IP65 (NEMA4) rating. Place the gasket over the coil connection pins.

Make sure there is no debris between the gasket and the coil. If the drain is pre-wired, go to step 1.8.

1.5 Mount the timer on to the coil as illustrated, you can mount the timer up-right or upside-down.

1.6 When the drain is not pre-wired: Remove the protection cap from the connector and connect your power cable to the connector as illustrated. Close the connector and tighten the nut firmly.

1.7 Place the gasket on the timer, place the connector on the timer as illustrated and tighten the screw (max. torque 1Nm). Make sure both gaskets are secured properly to ensure IP65 (NEMA4) rating.

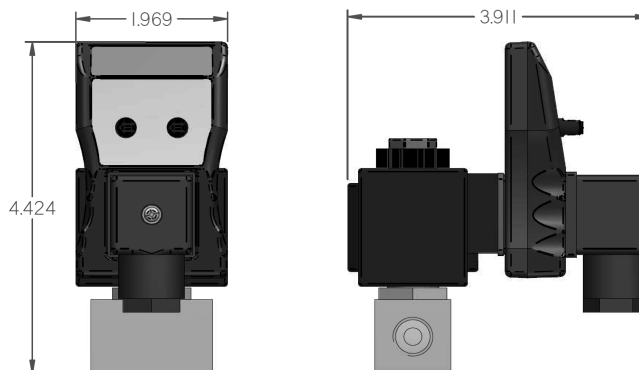
1.8 After double checking that the power supply corresponds with the voltage specified on the coil and falls within the range specified on the back of the timer, you can switch the power supply ON.

1.9 Slowly open the ball valve to restore normal system pressure.

1.10 Press the TEST button to check the valve function. Adjust the ON and OFF buttons to suit your system.

1.11 Your drain is ready for operation!

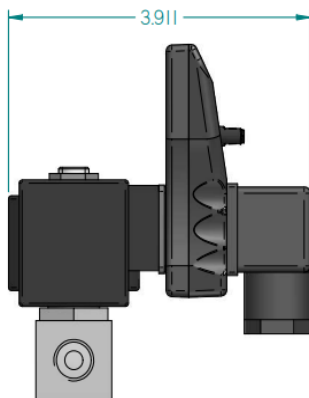
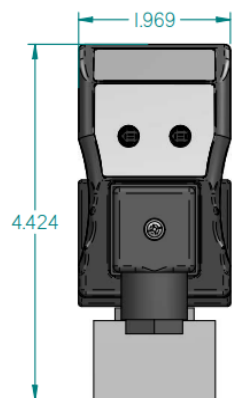
## DIMENSIONS (inches, depending on power cord used and/or coil type)



## REPLACEMENT PARTS

| Description                                | Part No.        |
|--------------------------------------------|-----------------|
| 1. Electric cord (7 ft. Length Molded Din) | 9905 UA         |
| 1. DIN Connector                           | 9070            |
| 1. Conduit Connector                       | M550Z-RB        |
| 2. Timer (only)                            | 8601 (24-240V)  |
| 3. Coil (only)                             | 42460 (24V AC)  |
|                                            | 42420 (115V AC) |
|                                            | 42400 (230V AC) |
|                                            | 42480 (24V DC)  |
| 4. Valve assembly (without coil)           | 320771B (1/4")  |
| 5. Service kit (valve internal parts)      | 298589          |

## OPT High Pressure Condensate Drains



| Inlet Size | Part No.     | Part No.      | Part No.      | Part No.      |
|------------|--------------|---------------|---------------|---------------|
|            | 600 PSI 115V | 1200 PSI 115V | 3625 PSI 115V | 6000 PSI 115V |
| 1/4"       | OPT-25-600   | OPT-25-1200   | OPT-25-3625SS | OPT-25-6000SS |
| 1/2"       | OPT-50-600   | OPT-50-1200   |               |               |

SS indicates stainless steel body



Brass Body



Stainless Steel Body

Applications: High Pressure Air Compressors, Receivers,  
Air Filters and Dryers

UL Recognized, CE and CRN Approved  
Solid State Timer  
On-Off Lights  
Manual Test Button  
6 Ft. Power Cord with Plug

### Timer Specifications

Interval Time: 0.5 - 45 Minutes  
Discharge Time: 0.5 - 10 Seconds  
Supply Voltage: 115V  
Current Consumption 115V: 200mA Max.  
Environmental Protection: NEMA 4 (IP65)  
Case Material: ABS Plastic FR Grade  
Connection: DIN 43650A  
Operating Temperature: 34°F to 131°F

### Valve Specifications

Type: 2-Way Direct Acting Valve  
Operating Temperature: 34°F to 131°F  
Valve Body: Brass or Stainless Steel  
Orifice Size  
600 psi 2mm  
1200 psi 2mm  
3625 psi 1.2mm  
6000 psi 0.9mm  
Insulation: Thermal Group H  
Environmental Protection: NEMA 4 (IP65)  
Mounting: Any Position



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Drawing Date: 11/2021  
Rev Level-Date: