

Timer for 2/2-Way Direct Acting and Pilot Operated Solenoid Valves for Compressed Air Condensate Draining System.

DATA SHEET
Digital Timer
Model XY-3800H

SPECIFICATIONS

Sizes	: 6 mm to 25 mm
End Connections	: Standard-G-ISO-228 (BSP-F)/NPT *
Construction - Body	: Upto 20mm Brass forged 25 mm & above Stainless Steel ASTM CF8.
- Seat	: Std. Buna.Nitrile Optional-Viton
Differential Pressure	: Refer to Table below
Coil Voltage	: Standard General Purpose SQ Moulded Coil upto IP-20
Optional	: Weatherproof SQ moulded coil upto IP-67. Not available in Flame/Explosion proof enclosure.
Fluids	: Condensate Water.
Temp.	: Upto 80°C.

APPLICATION

Solenoid Valves fitted with XY-3800 H Timer provides solution for automatic draining filter bowl separator, Driers, Receivers, Drip Legs and other Compressed air system, where collected condensate can be discharged.

DESCRIPTION OF TIMER

AVCON XY-3800 H Timer consists of solid state circuit, capable of mounting of the valve coils. Simply adjust discharge time and interval of discharge, to suit particular compressed air Vessel.

FUNCTION DESCRIPTION:

1. High quality flame retardant plastic shell, high strength and security.
2. Microcomputer chip control, powerful, high precision.
3. LED digital display with night vision function.
4. Time adjustment: range: Two way adjustable time switch,
ON time 1Sec ~ 99h59min59Sec;
OFF time 1Sec ~ 99h59min59Sec.
5. Function mode: Loop mode
(two ways: first On then Off or first Off then On);
Single mode (one way: specified time on).
6. Supply: AC/DC 110 ~ 240 V (XY-3800H).
Power supply: High voltage AC/DC 110 ~ 240V (XY-3800H)
7. Protection IP65 when properly installed.
8. The standard DIN43650A input and output interfaces.
9. ON, OFF
10. Field of use: Solenoid valve controlling and other similar purposes for timing.

DISPLAY OPERATING MODE INSTRUCTION

1. The display shows "-----" is stop setting mode.
2. The display shows "--- XXX" is switch-on time setting mode (where represents the number displayed);
3. The display shows "XXXX" is off time setting mode (where X represents the number displayed).
4. The display shows ON—OFF is first ON then OFF (Loop) mode.
5. The display shows OFF—ON is first OFF then ON (loop) mode.
6. The display shows ON when first opened, after a specified time (1sec to 99h59min59Sec) normally closed (single) mode

MODE AND TIME SETTINGS:

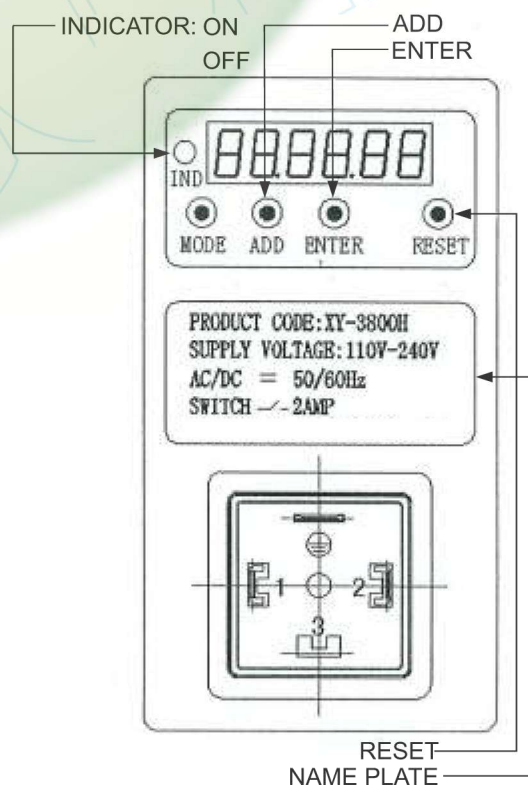
First use the factory settings, turn on the power supply is in the 'ON-OFF' cycle mode working conditions. ON time is 2 seconds countdown (Display --- 00X "where X is the diminishing numbers) OFF time is 2 seconds countdown ("0 0 0 0 X" where X is the decreasing number), To modify the function mode and time, press MODE button which shows 'ON-OFF', then press the MODE button you can switch between OFF-ON, "ON" mode, select the mode of the function you want, then press ENTER button to make function mode setting effective, effective set automatically enter this mode for the time set. First enter the ON time parameter setting ("the---XXX"), when the digital is flashing, the parameter setting can be set, press ADD button to increase the time, press ENTER to confirm; and then enter into the OFF time parameter setting (display "XXXXXX"), OFF time setting is the same as ON time set. After the setting, the display will flash four times of the function mode 'ON-OFF' then enter into stated working



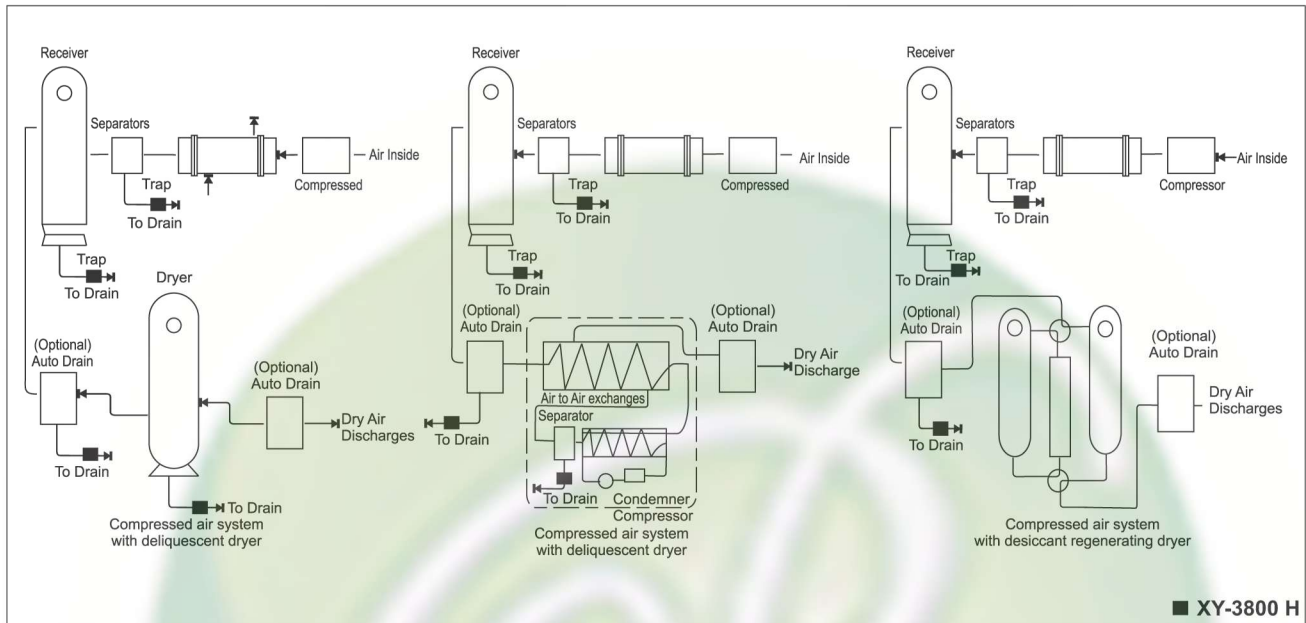
condition. When the parameters is setting, the system will stop working; the new parameter setting will replace the old parameters and the system will continue to work again; after the new parameter setting is effective, during the setting parameters, If the Enter key haven't be pressed and exit the setting mode directly, the system will continue to work under the old parameters. (The above parameter setting takes the ON – OFF as the example, the other mode setting is the same as ON-OFF setting).

OTHER FUNCTION:

Reset function: Press the RESET Button when it is working, the system will stop the current work and start the cycle work from the beginning according to the parameters which has been set.



WHERE TO INSTALL THE AVCON VALVE WITH TIMER MODEL - XY-3800 H



Details of Auto Drain Valves:

DIRECT ACTING - 'R' Series	Refer to individual R-series Catalogue.
220A	
221A	
222A	
INTERNAL PILOT OPERATED - 'R' Series	
111A	
112A	
113A	
123B	
125B	
641A	

Note:

Technical specifications, details & dimensions are subject to change without prior notice.
Dimensions in the table are approximate subject to final confirmation by AVCON.