

AGS1131-V2 Air Ingress Timer

- Suitable for Air Ingress Timing
- Long battery life
- Amelec standard 2 years warranty
- IP68 Enclosure

TECHNICAL SPECIFICATION

FUNCTION

On power up, the OFF timer starts timing, once it reaches the set time on the OFF DIL switch, the valve is Opened and the ON timer started. When the ON timer reaches the set time on SW1, the valve is closed and the timers are reset. The cycle continues until switched off.

Internal toggle switch enables the comparator and the valve. When pressure is within range the valve will switch on and off as described above. When out of range the valve will remain in off position. Pressure monitor on inlet only. Working range settable via internal potentiometers

VALVE

Compatible with gases and mild liquids.
Gives consistent performance for the operating life.
Operating pressures up to 7 psig. (0.48 Bar)
Connections: 1 x Inlet 1 x Outlet

CONTROLS

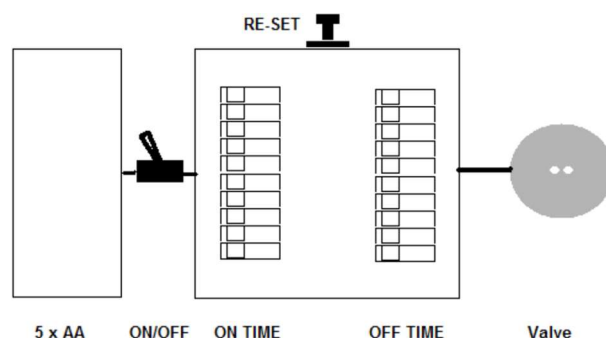
1. SW1 & 2 only one switch permitted at any one time.
2. SW3 - Test switch will confirm power and clock function by test LED flashing @ 1Hz.
3. SW3 - Reset switch will reset the timers.
4. To open and close value manually, set all switches of SW1 and SW2 to off. Using SW2 -NC switch turn valve On/off.



Customer connection - OUT LET (Bottom) / IN LET (Top).
Outer Dia = 5.5mm, Inner Dia = 2mm.

To avoid any damage to the IN & OUT LET adaptor points & surrounding seal, care must be taken not to put too much stress when inserting the tubes.

FUNCTION BLOCK DIAGRAM



ENVIRONMENTAL CONDITION

Storage temperature: - 20 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH

DIMENSION

Enclosure: 122w x 202h x 55d (mm).
Weight < 1Kg

ENCLOSURE PROTECTION

Watertight seal for up to IP68.

Important: Case must be earthed to ensure protection against RFI / ESD.

SW3- CONTROL		SW2-OFF TIME		SW1-ON TIME	
10	POWER	10	55 min	10	26 Sec
9	RESET	9	48.5	9	22
8	TEST	8	42	8	18
7	OFF TIME x 2	7	35.5	7	14
6	DEFAULT	6	29	6	10
5	OFF TIME X 0.5	5	22.5	5	6
4	ON Time x 2	4	16	4	4
3	DEFAULT	3	9.5	3	2
2	ON Time x 0.5	2	3	2	1
1	ON Time x 0.25	1	NC	1	NC

PERFORMANCE

Valve Pressure: 7 psig Max. (0.48 Bar)
Battery life up to 1 Year
Accuracy: < ±2 %
ON time setting resolution: 2 Sec
OFF time setting resolution: 6 Min
Comparator range +/- 1 Bar (Factory set @ +/- 0.5Bar)

Batteries (Not supplied)

3 x Lithium Non-rechargeable Batteries, 10 yr storage capability - self-discharge (1% or less per year) - 3.6V / 2600mA per Hr.

2 x Lithium Non-rechargeable Batteries
self-discharge (1% or less per year @ 25°C) 3.6V / 19Ahr