

AGS1135 Water Usage Monitor / Controller

- · 2 year warranty as standard
- British Design & Manufacture

TYPICAL APPLICATION

Water well usage Monitor / Controller

TECHNICAL SPECIFICATION

FUNCTION

Monitors the water usage, turns off the pump and activates 24Vac output for the solenoid if the daily allowance limit is reached within 24hr period. Internal programmable clock reset the system to start the cycle again every 24th hr.

INPLIT

Volt free contacts from flow meter. Other voltage pulses or analogue input available on request.

PUMP OUTPUT

240Vac (16A max) Mains LIVE normally active and de-activated on Trip.

SOLENOID OUTPUT

Switched 24Vac (100mA max) normally deactivated and activated on Trip.

OVERIDE

Optional solenoid override available via Fixed 24Vac.

CONTROLS

P3: Internal 15 turn potentiometer to set allowance limit. Adjustment range 10 to 100% of input range.

INDICATOR

Power ON: 5MM GREEN. Trip: 5MM LED, Red = ON Pulse = 5MM LED, Green

PERFORMANCE

Accuracy: < 1%
Trip settability: better than ±1%
Trip repeatability: better than ±1%
Resolution: FS =4000 pulse
Power consumption: <4VA

PROTECTION

Isolation 1000V RMS.
Inputs/24Vac/Supply/Earth
Internal Fuse.
Input over range up to typically 200%.
Flow count - 5 sec backup on loss of supply
Clock - 30 days battery backup





DISPLAY

3.5 digit LCD display, normally showing total flow, Set limit can be viewed by pressing the push button in the same scale.

24Hr TIMER/CLOCK

Time factory programmed to UK GMT time.

Alarm 1 is factory programmed to 00:00 Hr. The flow count will be reset to zero every midnight.

30 days battery backup.

ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70 ℃ Operating Ambient: -15 to +55 ℃ Relative Humidity: 5 to 95% RH

MOUNTING AND FIXING

Dimension: 160W x 212H x 115D. Fixing Centre - 145mm

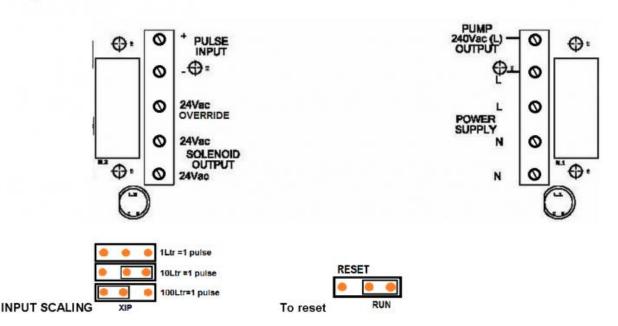
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If requested this product will be supplied fully calibrated and setup to your requirement, so no site calibration or setup is required. However if you need to make any adjustment please follow the instruction carefully on this page.

- High dangerous voltages connected, therefore should only be installed by a qualified person.
- Connect the equipment according to current IEE regulations and separate all Wiring according to IEC1010. 2.
- Make sure all screw terminals are tight before you switch the equipment on.
- Don't touch any circuitry after you have connected the equipment to mains.

The equipment is designed for Pollution-Degree 2 environments only. This means you must install it in a clean, dry environment.

Wiring



CLOCK / TIMER



Duticery
This product has a factory fitted rechangeable bettery little time controller is left with
to mains power awheched off formers than Imorth the display may go blank. In this
case awhich mains on, wait 30 minutes, and apply reset-see 1 before programming.

Programming
Only two setting buttons are required, Change and Program. In normal use the Change button is used to switch CN or OPE overriding the timeswitch until the next button is used to switch CN or OFF overriding the timeswitch until the next programmed OFF or ON time. During programming the Change button is used to set the hours and mirrutes. The Program button is only used when setting or adjusting the dock timesor the 4 programmed ON/OFF times, although it can also be used to review the CN/OFF times once they have been set. Each time the Program button is pressed the display will sake whether the hours or minutes in turn, starting with the clock them the first ON time, its OFF time, second ON time, its OFF time, second ON time, the Vinesever the hours or minutesance flashing they may be set using the Change button. Once set the Frogram button is pressed again to proceed to the next stage.

Normal Operating Mode innormal operation the Ponel Master will display the correct time with the colon first hing. The corput status will be shown by either CN or CFF on the display.

1 To Reset Display

To clear programms from memory and reset the time controller poses and hold down both funtons until the display goes Hank.
Release buttons and display will fill with its complete range of the acters and then dear to show clock and hour digit flashing.

You are now in the clock setting mode

1 2 3 4

at the beginning of the programme sequence

Programming sequence

Setting clock Programme 1 ON Programme 1 OFF Programme 2 ON Programme 2 OFF

Note: Button pauses greater than I minute during programming will result in automatic return to the operating mode.

Setting Clock (after reset)
Hour Setting - Fress the < Charges button to advance
the hour setting Note For rapid hour selections press
and hold down < Charges button.



Press & Programs button once - clock is now set and display shows ready for the first ON programme time with ON and hours digits flashing.

To Set Programme ON/OFF Times (after clock setting)

Press < harges button to advance the hour setting.

ij Press d'regram> button once to select minute time display shows mirrute digits and CN flashing. Pross

<a href="https://doi.org/10.1007/j.j.com/normal Press < Program> button once - the first ON time now set and display shows ready for the first OFF programme time



Repeat steps i to iv to set the remainder of the 3 CN/OFF times as required Note: Any unused ON/OFF programme should be skipped until the display shows normal operating mode. Do not programme U's into unused

MPORIANT After setting a dook time which falls within a programmed ON period, the unit will not switch ON. Use the Charge button to switch unit ON. After this the unit will operate normally to the programmes set.

4. Programme Review

To just review the not programmes or for quick exit to normal operating mode press and hold the <Program> button.

5. Initiating Programme Mode
This can be tritated any time during the normal operating mode Frees
Abogram's button and the Clock symbol, has and minutes symbols on the
display will fash—this is review mode. If any change to programmes is
neq nied press. Changes button to initiate programme mode and then follow
steps 2 and 3.

Cancelling Programmes Any ON/OFF programmes as be cancelled by clearing its ON and OFF time.

Rollow step 5 and when into the ON or OFF programme to be cancelled press
the <Changes button until the hour digits show—
then press the <Programs button to clear the

programme. The display will show the hour and minute digits and ON or OFF flashing, Self Cancelling Override

Set of carnetering Overrace.

To change the output status from ON to OFF or vice versa during normal operation press the Change button. The output status will drange and indicate override is in operation by flushing.



-000

1600

16:35 ...