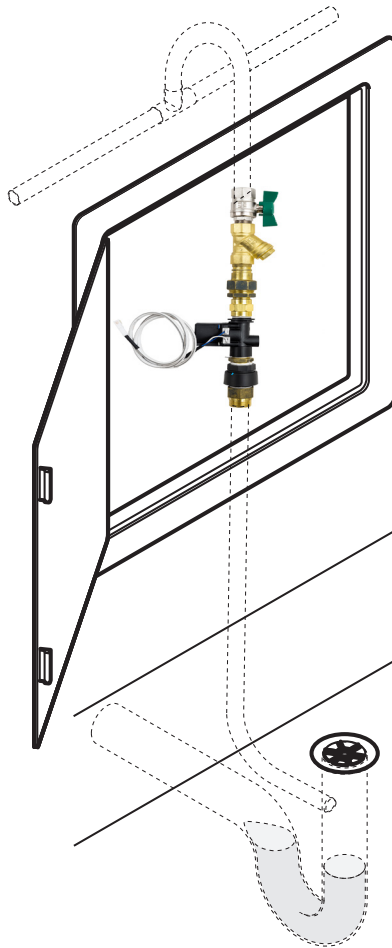


**SL-TP**  
ELECTRONIC TRAP PRIMER

**mi SOLO**



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## DESCRIPTION

The SOLO electronic trap primer is a means of maintaining a seal in floor wastes, gully traps or shower wastes where there is a likelihood of trap dryout due to long periods of inactivity or where ventilation of air-conditioning systems speed the natural drying process.

### Parts Supplied

The MacDonald Model SL-TP-AUN is supplied as a kitset including:

- Solo electronic control module
- SL-TP-FVA15AUN flush valve assembly
- 1m solenoid extension cable
- SOLO 9Vdc power pack with 1.8m lead

## INSTALLATION

### Electrician

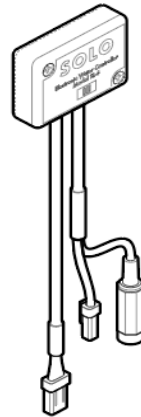
The electrician should provide a 230Vac GPO immediately adjacent to the Control Module mounting position. Power should be provided via an independent circuit breaker to ensure continuity of supply.

### Plumber

Once completed check for leaking joints. All joints should be completed using proprietary hemp, tape or liquid sealant. Do not overtighten joints.

The backflow preventer provides the necessary separation to comply with Pipe Interrupter Device under AS2845.1 and AS3500.1 cl.4.6.3.3(G), ensure there is a minimum distance of 300mm between the backflow preventer and the FFL or drain (whichever is the higher). It is fitted with a 2l/min flow regulator to minimise flow.

Once all plumbing has been completed connect cables from control module to solenoid and connect power cable to control module.



SOLO Control Module



Flush valve assembly

## INSTALLATION (CONT)

There are two wiring looms on the control module;

- 1) power input connector for connection to the 9Vdc power pack lead.
- 2) power output lead for connection to the solenoid valve. Ensure water flows through the solenoid valve in the direction of the arrow on the base. The lead is terminated with 2 x large Faston quick connect terminals that are colour matched to the terminals on the solenoid valve. **Blue** wire fixes to **blue dot terminal**, **White** connector fixes to the other terminal.

The solenoid valve assembly should be mounted within 1m of the Control Module. Longer cables are available on special request.

The Control Module has a removable cover which reveals a set of 8 DIP switches (as per below). Remove cover a set switches to allow sufficient water to pass to maintain the required trap seal. The trap primer is designed to be installed on a mains pressure water supply. It is recommended that it be positioned as close as practical to the trap which it serves.

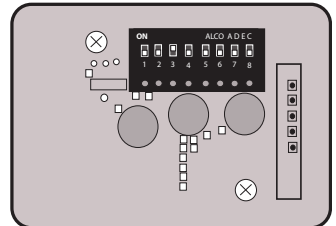
Never install in a position which does not have adequate ventilation or that is exposed to the weather. All piping to and from the trap primer is to be completed by the plumber to suit the plumbing layout and the engineers specification.

### Timer Adjustments

The SOLO SL-TP-AUN trap primer has two setting options - run time and cycle time. Switches 1,2 & 3 adjust the run time. Switches 4,5 & 6 the cycle time. Switches 7 & 8 allow all run and cycle times to be doubled if required.

See chart below for options.

**SL-TP-AUN trap primer will be supplied preset to the switch settings marked \*. Adjust as required.**



▲ ON \* pre-set  
▼ OFF

### Test Function

As a test function, SL-TP-AUN will commence a flush cycle (RUN time) 4 seconds after power up, then will proceed to a CYCLE time. Flush volumes measured at 300kPa

#### Run Time

| 1 | 2 | 3 | Time (sec) | Flush Volume (ml) |
|---|---|---|------------|-------------------|
| ▼ | ▼ | ▼ | 0.5        | 20                |
| ▲ | ▼ | ▼ | 1          | 38                |
| ▼ | ▲ | ▼ | 2          | 73                |
| ▲ | ▲ | ▼ | 3.5        | 124               |
| ▼ | ▼ | ▲ | 5          | 177 *             |
| ▲ | ▼ | ▲ | 10         | 345               |
| ▼ | ▲ | ▲ | 20         | 674               |
| ▲ | ▲ | ▲ | 30         | 996               |

#### Cycle Time

| 4 | 5 | 6 | Time (hrs) |
|---|---|---|------------|
| ▼ | ▼ | ▼ | 1          |
| ▲ | ▼ | ▼ | 2          |
| ▼ | ▲ | ▼ | 3          |
| ▲ | ▲ | ▼ | 4          |
| ▼ | ▼ | ▲ | 6          |
| ▲ | ▼ | ▲ | 8          |
| ▼ | ▲ | ▲ | 12 *       |
| ▲ | ▲ | ▲ | 24         |

#### Extended Run Time

| Switch 7 | Function |
|----------|----------|
| ▼        | Normal * |
| ▲        | 2 x      |

#### Extended Cycle

| Switch 8 | Function |
|----------|----------|
| ▼        | Normal * |
| ▲        | 2 x      |

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## SPECIFICATION

Solenoid Voltage: 9Vdc  
Pressure Range: 100 - 500kPa (recommended 300kPa)  
Operating Temperature: 2 - 60degC  
Inlet Connection: 1/2" BSP  
Outlet Connection: 3/4" BSP

## SPARES

|                |             |
|----------------|-------------|
| Control Module | SL-CM-TP    |
| Solenoid Valve | NY-SV1-9-LC |
| Power pack     | SL-PP9      |