


# Stager

## TUYA Digit single

For single filter plants, **within programmer.**

Stager (pilot distributor) TUYA digit single

	<p><b>TUYA Digit single:</b>  <b>It controls the membrane chambers single effect with spring return. The pilot distributor has its <u>inner programmer</u> (it does not need a programmer or PLC).</b>  <b>Connection for six membrane chamber, six programmable phases pilot (5 phases of the regeneration).</b>  <b>Functions:</b></p> <ul style="list-style-type: none"> <li>- volumetric</li> <li>- temporized or</li> <li>- with external signal (analyzer, pressure switch)</li> </ul> <p><b>With daily inner clock.</b></p>
--	--

### **Outputs relays (n.o. / n.c.):**

REL1: additional programme (activation before, during or after regeneration – programmable duration)

REL2: second additional programmable programme (as above)

REL3: general alarm

REL4: dosing pulse (only with a connected water meter)

REL5: exercise valve (add a solenoid valve) or a contact during treated water's supply and a contact during regeneration.

### **Analogic output:**

4 – 20 mA: processing signal, various phases of the regeneration and general alarm

### **Inputs (n.o.):**

WM: launch pulse water meter

IN1: Stop regeneration away (interrupt a current regeneration)

IN2: Start regeneration or Stop (block the beginning of a regeneration)

IN3: Opening/closing exercise valve away

Examples of use: close the treated water's supply in force, in case of storage tank full

IN4: Hold regeneration

Examples of use: stop the regeneration where it is until the contact goes back (example: wash the softener until the drain's conductivity goes into expected range back, wash the filter until the turbidity goes into the expected value back).

TUYA digit single n.o.	24V 50-60Hz	290505
	230/24V 50-60Hz	290506
TUYA digit single n.c.	24V 50-60Hz	290510
.	230/24V 50-60Hz	290511
Joints set	water/air	290405

### Technical data

Power supply	24 Volt 50-60Hz or 230/24V 50-60Hz		
Control performance absorption:	2,5 VA		
Switching time:	10 seconds		
Protection class:	IP 54		
Synchronization:	included in the scope of the delivery		
Control panel:	air or water (out of foreign bodies)		
Maximum pressure:	8 bar		
Pressure for the test:	16 bar		
Piping internal diameter:	2 mm		
Environment temperature	da 5° a 40°C		
Connection to valves:	6		
Thread:	1/8” female, 10mm max. thread length		
Weight:	5, kg		
Dimension:	large 400, height 390, depth130 mm, leave 50 mm of space left		
Relays output:	5, contacts n.o./n.c.		
	Additional programme 1 e 2		
	Alarm		
	Dosage		
	Exercise valve		
	Potential-free max. 250V 1.5A 250 VA initial load (Do not overcome the max load of the adapter)		
Analog output:	4-20mA galvanically separated (250 ohm max. load)		
Input:	5 n.o.		
	Stop regeneration		
	Start or Stop regeneration		
	Exercise valve		
	Hold regeneration		
Noise filter:	included (type EMI)		
Internal transformer:	9-12V 50-60Hz		
Internal motor voltage:	12V 50-60Hz		
Regeneration counting:	included		
Certification:	CE e RoHS		
Power adapter (optional):	10VA		
	External adapter certificated CE, TUV, NF. RoHs		
Materials:			
Rotary valve:	stainless steel	Rubber seal:	Rubber
Adjustment fuse.	stainless steel	Rings:	perbutan
Spring:	stainless steel	Box (involucre):	PC Polycarbonate
Teflon seal:	Teflon		

