

Bracket connection  
Thread connection

Model 290  
Model 291



This device guarantees automatic, safe and reliable control, regulation and signalling of the level of liquids in; wells, tanks, cisterns, etc.

### Specifications

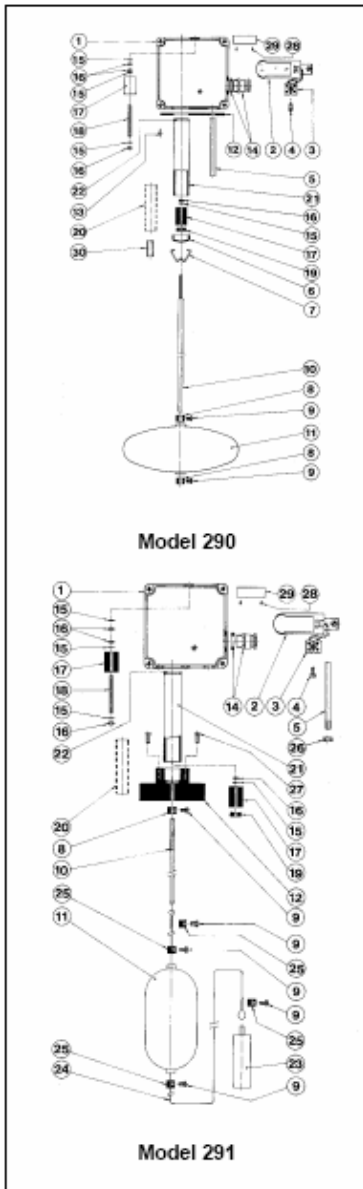
- Materials carefully selected for their resistance to wear and tear, temperature and corrosion.
- Simplicity of construction ensuring minimum maintenance.
- The area of connectors, terminals, magnetic switches, etc., housed in a box made of isolating temperature resistant material which prevents the entry of dust or dirt, etc. IP-65 protection.
- The components of the magnetic switch are rigorously selected to guarantee long life and total operating safety.
- Silver alloy breakers.
- Easy to connect.
- Adjustment of operating points using end stops.
- All of the equipment and the switches have been thoroughly tried and tested.
- Each of the components is numbered, registered and checked. If prior request is made a certificates of materials, batch and will be supplied.

### IMPORTANT

If this equipment is connected to vessels with turbulent fluids they must be supplied with the corresponding breakwater.

Depending on demand:

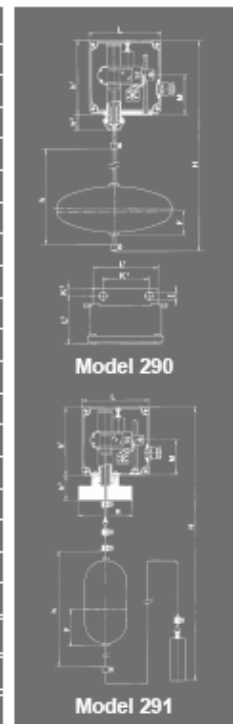
- Possibility of manufacture in other types of material, for use in special working conditions (high temperatures, fluids, etc.).
- Other connections and fluctuation length.
- Stainless steel buoy (DIN-1.4401) (AISI-316) with coating of Epoxy, PTFE (Teflón), Chemical nickel, etc.
- Other sizes of buoy.



Nº. PIECE	PIECE	MATERIAL	
		MODEL 290	MODEL 291
1	Box	Aluminium (ASTM B 85 y B 179)	Aluminium (ASTM B 85 y B 179)
2	Magnetic switch	Model 262	Model 262
3	Block	Bakelite	Bakelite
4	Block screw	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
5	Switch fastening axis	S. steel (DIN-1.4301) (AISI-304)	S. steel (DIN-1.4301) (AISI-304)
6	Cap end stop	S. steel (DIN-1.4301) (AISI-304)	—
7	Cap securing clip	S. steel (DIN-1.4300) (AISI-302)	—
8,25	Buffer	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
9,27	Stop-screw	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
10	Guide road	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
11	Buoy (1)	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
12	Bracket	S. steel (DIN-1.4301) (AISI-304)	Brass (DIN-1.7660 CuZn40Pb2)
13,28	Rivets	Aluminium (AlMg5)	Aluminium (AlMg5)
14	Gland	Brass (DIN-1.7660 CuZn40Pb2)	Brass (DIN-1.7660 CuZn40Pb2)
15	Washer	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
16,26	Nut	S. steel (DIN-1.4401) (AISI-316)	S. steel (DIN-1.4401) (AISI-316)
17	Magnet	Alnico - 500	Alnico - 500
18	Dowel	S. steel (DIN-1.4301) (AISI-304)	S. steel (DIN-1.4301) (AISI-304)
19	Spacer	S. steel (DIN-1.4305) (AISI-303)	S. steel (DIN-1.4305) (AISI-303)
20	Spring	S. steel (DIN-1.4300) (AISI-302)	S. steel (DIN-1.4300) (AISI-302)
21,30	Case	S. steel (DIN-1.4301) (AISI-304)	S. steel (DIN-1.4301) (AISI-304)
22	Case cover	S. steel (DIN-1.4301) (AISI-304)	S. steel (DIN-1.4301) (AISI-304)
23	Weight	—	S. steel (DIN-1.4401) (AISI-316)
24	Guide wire	—	S. steel (DIN-1.4300) (AISI-302)
29	Characteristic plate	Aluminium	Aluminium
DN		Bracket with 2 screws M.8x...	2 1/2"
PN		—	PMS - 19 bar
OPERATING CONDITIONS	PRESSURE IN bar (2)	—	19,0   17,1   14,8   13,3
	MAXIMUM TEMP. IN °C (2)	150	20   50   100   150
	MINIMUM TEMP. IN °C	0	-60 (3)
	MAX. VISCOSITY IN Cps	500	280

(1) See brochure for Model 152 Ø150x60 and Ø60x120 skidings.  
 (2) For higher pressures and temperatures see our technical department.  
 (3) As long as the equipment is free of humidity.

MODEL	290	291
R	—	2 1/2"
CONNECTION	2 screws M.8x...	Whitworth gas-tight male thread cylindrical 190 228/1 1078 (DIN-259)
H	STANDARD	630
	MAXIMUM	—
h (LEVEL FLUCTUATION)	STANDARD	495
	MAXIMUM	—
h <sup>1</sup>	98,5	95,5
h <sup>2</sup>	20	35
M (MAXIMUM)	52	49
MAX. Nº. OF SWITCHES	1	1
BUOY	Ø 150 x 60	Ø 60 x 120
F (FLOATING LEVEL IN WATER)	28	54
L	95,5	95,5
L <sup>1</sup>	85	—
L <sup>2</sup>	65	—
K <sup>1</sup>	59	—
K <sup>2</sup>	10	—
I	9	—
DRILLS Nº.	2	—
WEIGHT IN Kgs.	1,08	1,65
CODE	2104-290.0002	2104 - 291.5222



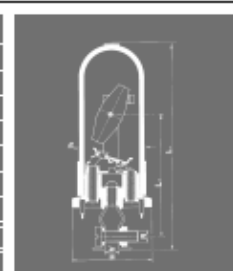
## Magnetic switch Model 262

### Specifications

Electrical characteristics: — Voltage: 220 V.A.C.  
 — Current: 1 A.

Magnetic characteristics: — Material: ALNICO - 1500.  
 — Residual induction (Br): 8500 / 8600 G.  
 — Coercive force (Hc): 1400 / 1500 Oe.  
 — Energy index (B-H) maximum: 4,2.

MODEL	262
R	M.4 Metric male thread ISO (DIN-19) 1973
H	27
h	23
h <sup>1</sup>	5
L <sub>1</sub>	70
L <sub>2</sub>	43
WEIGHT IN Kgs.	0,041
CODE	2104 - 262.0000



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