

# Technical features

## Display modules

**H710**

### Main applications :

- ▶ Petrol price signs.
- ▶ Scoreboards, sport timing.
- ▶ Queuing systems, stock exchange board.
- ▶ Industrial displays.
- ▶ Advertising, information board.
- ▶ Toll indications boards for highways and tunnel bridges.
- ▶ Time, temperature, date and sound displays.



### Technical features :

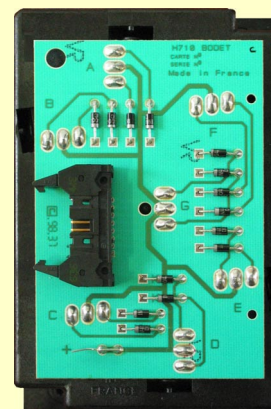
- ▶ Bi-stable 7 segments electromagnetic display modules with individually controlled segments.
- ▶ Character height : 10 cm.
- ▶ White or yellow segments and black background.
- ▶ Casing in aluminium and segments in polycarbonate material.
- ▶ Reflective display technology ideal for outdoor applications.
- ▶ No power consumption at rest and very low at state change.
- ▶ Easy mounting with built-in twist locks.
- ▶ Maintenance free operation.
- ▶ Life expectancy over 70 million operations.
- ▶ Power supply 12V +/- 20%.
- ▶ 2 types : with multiplexing card.  
without multiplexing card.

### Environment :

- ▶ Temperature : -40°C to +80°C (when using permanently above 40°C (104°F), the voltage at segment coils must be 12V minimum).
- ▶ Humidity up to 93 % without condensation.

### Norms :

- ▶ Low power supply : norm NF EN60950.
- ▶ Electromagnetic compatibility : norm NF EN50081-1.  
norm NF EN50082-1.



### Display modules references

	Yellow segments	White segments
▶ With multiplexing card	917033	917009
▶ Without multiplexing card	917090	-



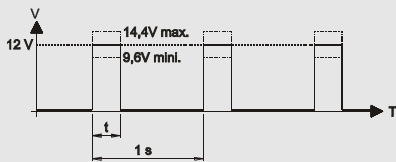
Ref. 643621A

# Technical features

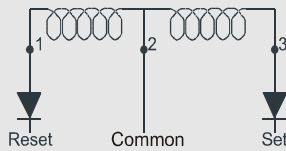
## Display modules

**H710**

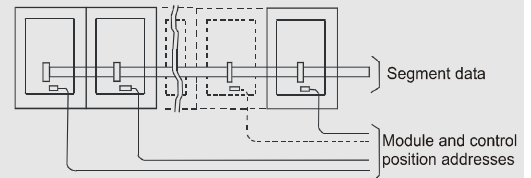
*Impulses diagram*



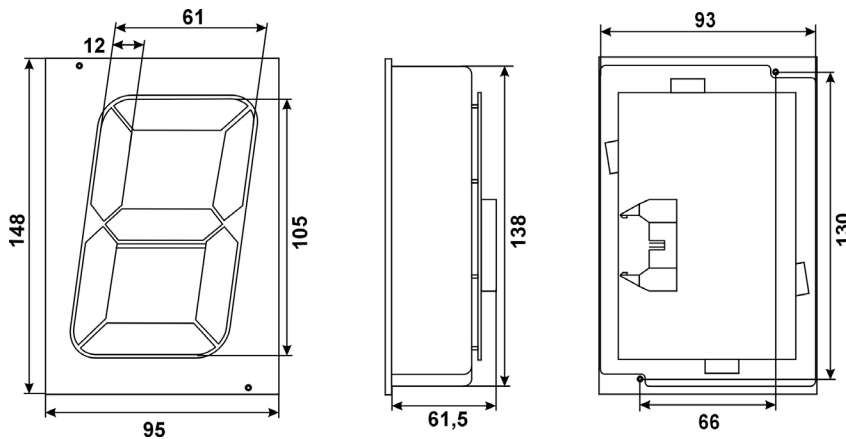
*Coil electrical diagram*



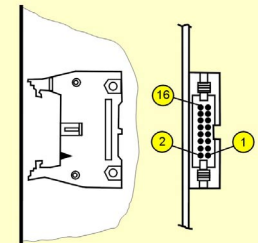
*Wiring principle – Multiplexing operation*



*Dimensions H710 in mm with multiplexing card*



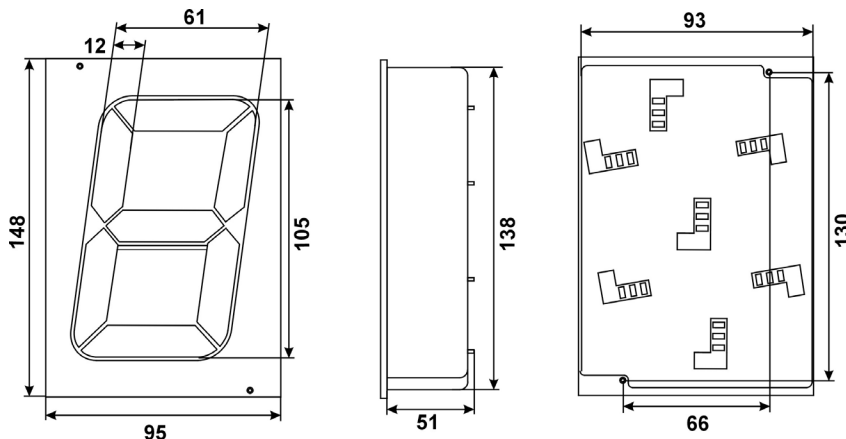
*Card connector*



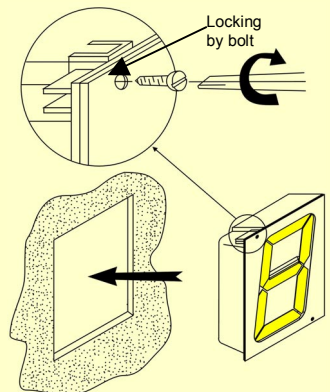
N° BROCHE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FONCTION																
SEGMENT	X	D	E	C	E	C	F	B	F	B	G	A	G	A		

■ RESET    □ SET

*Dimensions H710 in mm*



*Mounting principle*



<i>Technical features</i>	<i>H710</i>
Maximum readability	40 m
Character size	105 mm
Module weight	450 g
Voltage requirement at 20°C (68°F)	12V ± 20%
Minimum pulse duration	t = 90 ms
Pulse current per segment at 12 V, at 20°C (68°F)	141 mA
Coil resistance at 20°C	85 Ω

