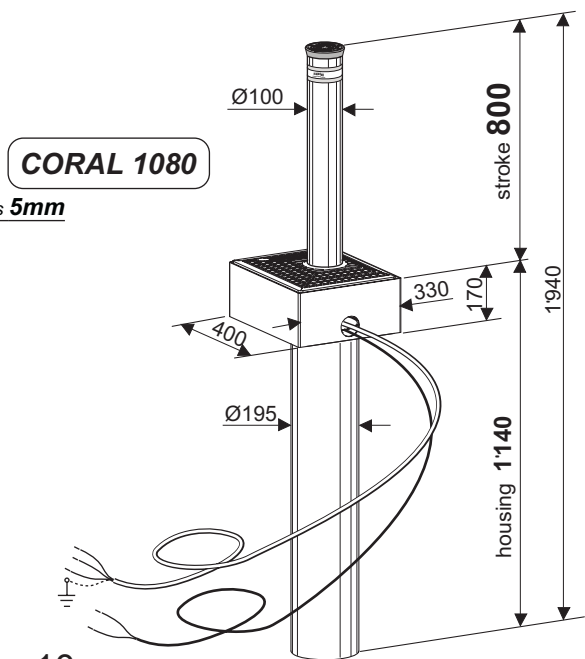


10 metres of cable
 • Electric motor
 • Limit switch



10 metres of cable
 • Electric motor
 • Limit switch

Model Registered



FADINI
 the gate opener
 Made in Italy



CORAL is an electro-hydraulic post for traffic control. The motor pump is incorporated and pre-connected. This makes the unit easier to install. The cylindrical post is made of steel, has a diameter of 100 mm and can be commanded to rise from the ground level or lower by remote control.

Two options are available: **Coral 1050** (500mm stroke) and **Coral 1080** (stroke 800mm).

All the essential component parts (motor pump and hydraulic actuator) are inside the location enclosure, which is made of cathaphoresis treated steel, a special treatment to prevent rust, and designed to be sunk into the ground. The up and down movements are carried out by the piston shaft, directly connected to the top of the post from inside the unit.

This automation is factory pre-set and calibrated making installation quick and easy in that no further adjusting is needed for proper operations. Just the electrical connections are required to be made on site for the electric motor and UP-cycle limit switch (10 m cables each are supplied with the equipment) to the electronic control board Elpro S40. Once the post has been driven to the upper limit stroke, the motor is stopped by means of a water-tight, fully sealed limit switch (limit switch Rising), on descending the motor is stopped when the post reaches the end of the permitted down stroke.

The connections between the motor pump assembly, positioned in the front side of the automation, and the hydraulic actuator are by means of rigid copper pipes completely inside the foundation housing.

A shaped universal spanner is supplied with the post to over-ride the hydraulic circuit in the pump inside the enclosure and lower the unit by hand if required. The cover of the square enclosure is designed to remain clear of standing water or other fluids. A brim is fitted to protect the top edge of the post.

A back reflecting sticker, with red and yellow stripes, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions.

All Coral automations are individually tested to ensure best performance at Meccanica Fadini.

TECHNICAL DATA

Oil-hydraulic motor-pump unit - Vico 2240 -

Hydraulic pump.....	P10
Pump flow rate.....	4.45 l/min.
Average working pressure.....	2 MPa (20 bar)
Max. Achievable pressure.....	4 MPa (40 bar)
Working temperature.....	-20°C +80°C
Hydraulic oil type.....	Oil Fadini
Static weight of pump assembly.....	10 Kg
Pump protection standards.....	IP 54

Hydraulic actuator

Piston travel time Coral 1050.....	4 s
Piston travel time Coral 1080.....	6 s
Service stroke Coral 1050.....	500 mm
Service stroke Coral 1080.....	800 mm
Shaft diameter.....	16 mm
Piston diameter.....	30 mm
Pre-set Pushing Power.....	15 daN
Protection standard complete.....	IP 557

Electric motor

Power yield.....	0.25 KW (0.33 HP)
Supply voltage.....	230 V
Frequency.....	50 Hz
Absorbed current.....	1.8 A
Absorbed power.....	330 W
Capacitor.....	20 µF
Motor revolutions.....	2800 rpm
Service mode.....	S3

Post weights Coral Range

Static weight Coral 1050 (stroke 500 mm).....	86 Kg
Static weight Coral 1080 (stroke 800 mm).....	104 Kg

Construction features

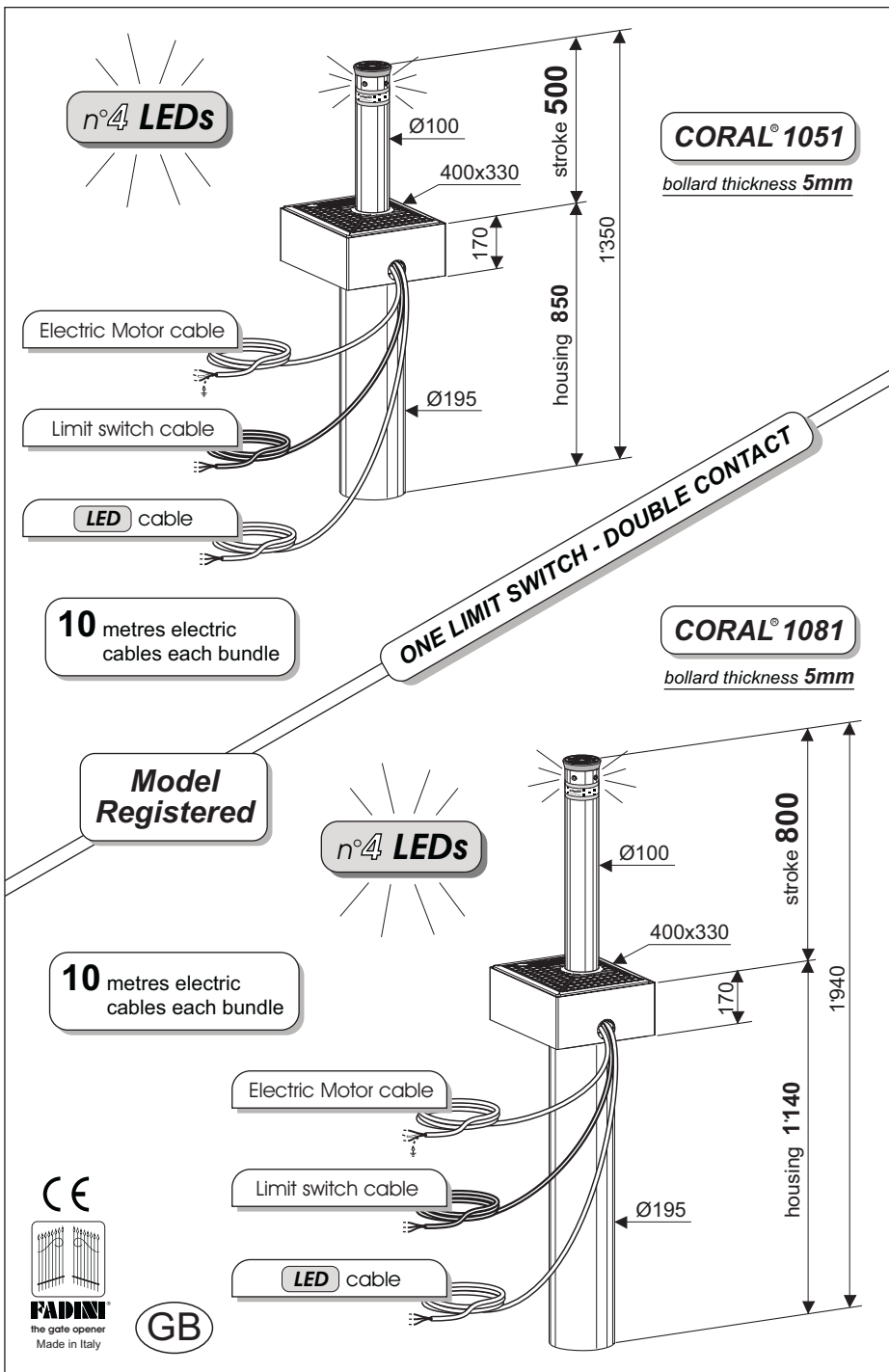
Post colour Coral range.....	Anthracite greig RAL 7016
Post, housing and cylindrical container material.....	"Fe 360" steel
Anti-corrosion treatment.....	Cataphoresis

Performance Coral 1050

Duty cycle.....	4s Rise - 30s Dwell - 4s Lower - 30s Dwell
Time of one complete cycle.....	68s
Complete cycles Rise - Dwell - Lower - Dwell.....	No.53/hour
Cycles per year (8 hours' service per day).....	No.154'000

Performance Coral 1080

Duty cycle.....	6s Rise - 30s Dwell - 6s Lower - 30s Dwell
Time of one complete cycle.....	72s
Complete cycles Rise - Dwell - Lower - Dwell.....	No.50/hour
Cycles per year (8 hours' service per day).....	No.146'000



CORAL1051 and **CORAL 1081** are electro-hydraulic posts for traffic control. The motor pump is incorporated and pre-connected. This makes the unit easier to install. The cylindrical post is made of steel, has a diameter of 100 mm and can be commanded to rise from the ground level or lower by remote control.

Two options are available: **Coral 1051** (500mm stroke) and **Coral 1081** (stroke 800mm), both models are fitted with mechanical limit switches, for rising and lowering cycles, and 4 led lamps for intermittent light.

All the essential component parts (motor pump and hydraulic actuator) are inside the location enclosure, which is made of cathaphoresis treated steel, a special treatment to prevent rust, and designed to be sunk into the ground. The up and down movements are carried out by the piston shaft, directly connected to the top of the post from inside the unit. This automation is factory pre-set and calibrated making installation quick and easy in that no further adjusting is needed for proper operations. Just the electrical connections are required to be made on site for the electric motor, led lamps and limit switches (supplied with the equipment in 10 m lengths, each) to the electronic control board Elpro S40.

The movement of the post is stopped by means of a water-tight limit switch, operated by a sliding feeler, fitted on to the post. The connections between the motor pump assembly, positioned in the front side of the automation, and the hydraulic actuator are by means of rigid copper pipes completely inside the foundation housing.

A shaped universal spanner is supplied with the post to over-ride the hydraulic circuit in the pump inside the enclosure and lower the unit by hand if required. The cover of the square enclosure is designed to remain clear of standing water or other fluids. A rubber brim is fitted to protect the top edge of the post.

A back reflecting sticker, with red and yellow stripes, ensures full visibility of the post in daylight as well as in the dark, even in difficult weather conditions.

All Coral posts are individually tested at Meccanica Fadini's to ensure best performance.

TECHNICAL DATA

Oil-hydraulic motor-pump unit - Vico 2240 -

Hydraulic pump	..... P10
Pump flow rate	..... 4.45 ℓ/min.
Average working pressure	..... 2 MPa (20 bar)
Max. Achievable pressure	..... 4 MPa (40 bar)
Working temperature	..... -20°C +80°C
Hydraulic oil type	..... Oil Fadini
Static weight of pump assembly	..... 10 Kg
Pump protection standards	..... IP 54

Hydraulic actuator

Piston travel time Coral 1051	..... 4 s
Piston travel time Coral 1081	..... 6 s
Service stroke Coral 1051	..... 500 mm
Service stroke Coral 1081	..... 800 mm
Shaft diameter	..... 16 mm
Piston diameter	..... 30 mm
Pre-set Pushing Power	..... 15 daN
Protection standard complete	..... IP 557

Electric motor

Power yield	..... 0.25 KW (0.33 HP)
Supply voltage	..... 230 V
Frequency	..... 50 Hz
Absorbed current	..... 1.8 A
Absorbed power	..... 330 W
Capacitor	..... 20 µF
Motor revolutions	..... 2'800 rpm
Service mode	..... S3

Bollard weights Coral Range

Static weight Coral 1051 (stroke 500 mm)	.. 86 Kg
Static weight Coral 1081 (stroke 800 mm)	.. 104 Kg

Construction features

Post colour Coral range..... Anthracite greig RAL 7016
 Post, housing and cylindrical container material..... "Fe 360" steel
 Anti-corrosion treatment..... Cataphoresis

Performance Coral 1051

Duty cycle	..... 4s Rise - 30s Dwell - 4s Lower - 30s Dwell
Time of one complete cycle	..... 68s
Complete cycles Rise - Dwell - Lower - Dwell	..... No.53/hour
Cycles per year (8 hours' service per day)	..... No.154'000

Performance Coral 1081

Duty cycle	..... 6s Rise - 30s Dwell - 6s Lower - 30s Dwell
Time of one complete cycle	..... 72s
Complete cycles Rise - Dwell - Lower - Dwell	..... No.50/hour
Cycles per year (8 hours' service per day)	..... No.146'000