



HYDRA 500/I LED

230 Vac Hydraulic bollard 500 mm high



**MADE
IN ITALY**



9343402 **HYDRA 500 LED**

9343403 **HYDRA 500I LED**

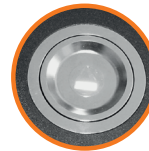
Ø 200 mm • H500 mm • → 8/9,2 mm



230 Vac hydraulic bollard, with led lights, powder coating steel or AISI 316 electropolished stainless steel finish.

FEATURES

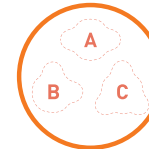
- Fast and easy to install thanks to the foundation box that can be assembled on site without welding
- Hydraulic control unit integrated
- Emergency operation by unlocking key available in three different shapes
- PLUG & PLAY connection between bollard and control panel



The embedded un-lock device is equipped with waterproof stainless steel plug



On request it is possible to have the standard triangular insert to allow manual release of the bollard to emergency vehicles (cod. HY.REL)



The un-lock system is available in 3 different shapes (A/B/C)

HYDRA

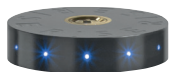
500/I

| | |
|--|------------------|
| POWER SUPPLY | 230 Vac 50/60 Hz |
| ABSORBED CURRENT 24Vdc | 8 A max |
| STANBY CONSUMPTION | 10 W |
| PUMP DELIVERY | 1,5 l/min |
| MAX OIL PRESSURE | 20 bar |
| OVERLOAD CUT-OUT | 150 °C |
| MAXIMUM WORKING FREQUENCY* (WITH HY.CELL2) | 750 cycles/day |
| PROTECTION LEVEL | IP 68 |
| OPERATING TEMPERATURE | -15 °C / +70 °C |
| CONDENSER | 31,5 µF |
| IMPACT RESISTANCE | 11.000 J |
| BREKOUT RESISTANCE | 180.000 J |
| KG VEHICLE-KM/HOUR | 1.800-55 |
| RAISING TIME 120mm/sec | 5" |
| LOWERING TIME 160mm/sec | 5" |
| OIL | B10 OIL |
| WEIGHT (without foundation case) | 79/81 kg |

(*) The maximum frequency of use indicated in the above table must be understood as indicative data, referred to a single bollard connected to a control panel, at standard temperature rating (20°C, 50% humidity). In the case of unfavorable conditions the frequency of use has to be reduced.

ACCESSORIES

HY.LED
[9534120]



Top with LED lights supplied as optional (already embedded in the bollards HYDRA 500/I LED and HYDRA 500/I VA.LED).

HY.VALED
[9176985]



Top with LED lights + Electric valve for automatic lowering in case of power failure. Supplied as optional (already embedded in bollard HYDRA 500/I VALED).

HY.TERM
[9679002]



Thermostat for cold areas.

HY.FC
[9567020]



Status proximity sensor. For use with central HY.CELL2. Necessary if you use traffic lights TL2, TL2FR, TLC2 and TLC2B.

HY.BUZZ
[9534051]



Warning buzzer (accessory supplied pre-assembled).

KTOOLS
[9089010]



Set of installation tools.

CA500A
[9150002]



Foundation box in steel with cathoporesis treatment. Quick assembly with screws.

TOP20
[9261000]



Cover for foundation box CA500A.

CH05/10/15/20/25
[9171015 /016 /017 /018 /019]



Cable with connector L= 5/10/15/20/25 m. Longer cables can be supplied on demand.



HYDRA 500/I LED

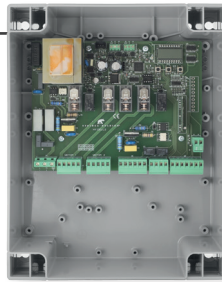
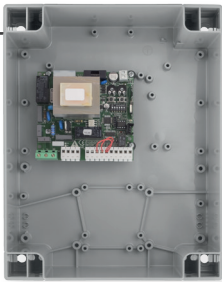
Control panels and components for a basic installation*



MADE IN ITALY

HY.CELL1 9176520

HY.CELL2 9176521



FEATURES

- Power supply: 230 Vac - 50/60 Hz
- Small size
- Embedded Radio Receiver
- Connection between the control panel and the bollard through PLUG & PLAY cable with connector, no special restrictions with regard to the distance between the central and bollard

HY.CELL1:

- Not prepared for the sensor HY.FC or traffic lights

HY.CELL2:

- It can manage up to two bollards
- Master / slave configuration for systems with more than 2 bollards
- Requires CP.TL and HY.FC for the management of any traffic light



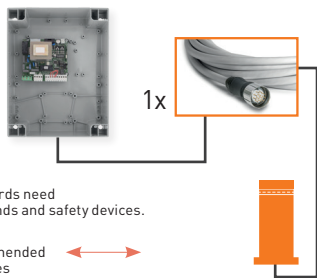
1 HYDRA 500/I



2 HYDRA 500/I

1 HYDRA 500/I BASIC

HY.CELL1



Recommended distances

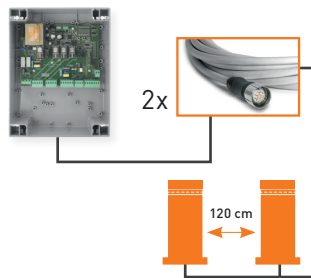


1x KTOOLS

1x CA 500A

2 HYDRA 500/I BASIC

HY.CELL2

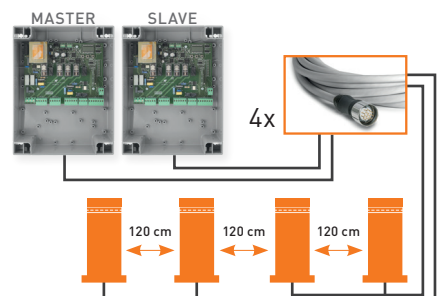


1x KTOOLS

2x CA 500A

4 HYDRA 500/I BASIC

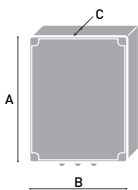
HY.CELL2



1x KTOOLS

4x CA 500A

TECHNICAL DRAWING



| | A (cm) | B (cm) | C (cm) | IP GRADE |
|-----------------|-----------|-----------|-----------|----------|
| HY.CELL1 | 29 | 22 | 12 | IP 55 |
| HY.CELL2 | 29 | 22 | 12 | IP 55 |

