

Readers



CP-Z-2L

EM Marine immersible reader
Vandal proofe, made from PA-6
Wiegand 26 & Dallas TM outputs
LED backlight
Power 35mA 8-18V
Dimensions: D26xH22mm



CP-Z-2L surface

EM Marine reader
Made from PA-6
Wiegand 26 & Dallas TM output
LED backlight
Power 35mA 8-18V
Dimensions: D45xH25mm



CP-Z-M

EM Marine, HID immersible reader
Vandal proofe, made from Steel cover and ABS case
Wiegand 26 & Dallas TM outputs
Sound buzzer at reading
Power 50mA 8-18V
Dimensions: 85x85x20mm



Matrix II

EM Marine reader
Made from ABS/ Dallas TM output
LED indicator and sound buzzer at reading
Power 35mA 8-18V
Dimensions: 85x44x18mm



Matrix II EH

EM Marine, HID reader
Made from ABS
Wiegand 26 & Dallas TM outputs
LED indicator and sound buzzer at reading
Power 50mA 8-18V
Dimensions: 85x44x18mm



Matrix II MF

MIFARE reader
Made from ABS
Wiegand 26 & Dallas TM outputs
LED indicator and sound buzzer at reading
Power 50mA 8-18V
Dimensions: 85x44x18mm

Readers



Matrix III EH

EM Marine, HID reader
Made from ABS
Wiegand 26 & Dallas TM outputs
LED indicator and sound buzzer at reading
Power 50mA 8-18V
Dimensions: 115x45x22mm



Matrix III MF

MIFARE reader
Made from ABS
Wiegand 26 & Dallas TM outputs
LED indicator and sound buzzer at reading
Power 50mA 8-18V
Dimensions: 115x45x22mm



Matrix IV

EM Marine, HID reader
Made from ABS
Wiegand 26 & Dallas TM outputs
LED indicator and sound buzzer at reading
Power 150mA 8-18V
Dimensions: 106x86x33mm



Matrix III e+

EM Marine reader for 30cm distance
Made from ABS
Wiegand 26 & Dallas TM outputs
LED indicator and sound buzzer at reading
Power 90mA 8-18V
Dimensions: 115x75x22mm



Matrix V

EM Marine reader (50cm) with receiver for 433MHz remote control
Made from ABS
Wiegand 26 & Dallas TM output
LED indicator and sound buzzer at reading
Power 200mA 12V
Dimensions: 230x230x35mm

Readers for PC



Z-2 USB

EM Marine, HID, MIFARE 64 bytes reader and writer
Made from ABS
USB output
LED indicator and sound buzzer at reading
Power from USB
Dimensions: 110x80x24mm
SDK kit available



Z-2 USB MF

EM Marine, MIFARE 1k & 4k reader and write
Made from ABS
USB output
LED indicator and sound buzzer at reading
Power from USB
Dimensions: 110x80x24mm
SDK kit available



Matrix III RD all

EM Marine, HID, MIFARE 64 bytes reader and writer
Made from ABS
RS-232, RS-485, Wiegand 26 and Dallas TM outputs
LED indicator and sound buzzer at reading
Power 135mA 8-18V
Dimensions: 115x75x22mm
SDK kit available

Readers/Controllers



Matrix II k

EM Marine reader with standalone controller
Additional reader (Dallas TM) or exit button can be connected
Programmable by master-card or changing jumper position
EEPROM memory for 1364 cards max
Made from ABS
LED indicator and sound buzzer at reading
Power 45mA 8-18V
Working with locks up to 5A
Dimensions: 85x44x18mm



Matrix II Net

EM Marine reader with network controller
Additional reader (Dallas TM) or exit button can be connected
Programmable by master-card or changing jumper position and remotely by RS-485/ EEPROM memory for 2024 cards and 2024 events max
RS-485 output
Made from ABS/ LED indicator and sound buzzer at reading
Power 45mA 8-18V
Working with locks up to 5A
Dimensions: 85x44x18mm
Free network software available



Matrix III Net

Ticketing system
MIFARE 1k and 4k reader with network controller
Programmable by RS-485
EEPROM memory for unlimited amount of cards and 4000 events max
RS-485 output
Made from ABS
LED indicator and sound buzzer at reading
Power 300mA 12V
Working with locks up to 5A
Dimensions: 115x75x22mm
Free network software available

Controllers



Z-5R

Standalone controller
Dallas TM reader and exit button can be connected
Programmable by changing jumper position
EEPROM memory for 1364 cards max
Made from ABS
LED indicator and sound buzzer at reading
Power 20mA 8-18V
Working with locks up to 5A
Dimensions: 45x25x14mm



Z-5R/5000

Standalone controller
Dallas TM reader and exit button can be connected
Programmable by changing jumper position
EEPROM memory for 5460 cards max
Made from ABS
LED indicator and sound buzzer at reading
Power 20mA 8-18V
Working with locks up to 5A
Dimensions: 45x25x14mm



Z-5R Net

Network controller
2pc of Dallas TM readers (Entrance/Exit) and exit button can be connected
Programmable by changing jumper position and remotely by RS-485
EEPROM memory for 8168 cards and 8192 events max
RS-485 output
Made from ABS
LED indicator and sound buzzer at reading
Power 20mA 8-18V
Working with locks up to 5A
Dimensions: 65x65x18mm
Free network software available



Z-5R Net 8000

Network controller
2pc of Dallas TM or Wiegand 26 readers (Entrance/Exit) and exit button can be connected
Programmable by changing jumper position and remotely by RS-485
EEPROM memory for 2024 cards and 2048 events max
RS-485 output
Made from ABS
LED indicator and sound buzzer at reading
Power 20mA 8-18V
Working with locks up to 5A
Dimensions: 65x65x18mm
Free network software available



Guard Net

Network controller
2pc of Dallas TM or Wiegand 26 readers (Entrance/Exit) can be connected
Programmable by RS-485
EEPROM memory for 8168 cards and 8192 events max
Two RS-485 outputs (one galv. Isolated)
Power 100mA 9-16V
2 relay outputs NC and MOSFET outputs
Lifetime warranty
Dimensions: 150x150x30mm
SDK software available

Adapters



Z-2 Rs232

Adapter for programming of controllers by DS1990L or cable connection
EM Marine and DS1990 reader built in
LED indicator and sound buzzer built in
RS-232 output for PC connection
RS-232 cable and power adapter included
BaseZ5R software included
Works with all our standalone controllers



Z-397 Guard

Adapter for programming of controllers by RS-485
USB output for connection to PC
Power supply from USB
USB cable included
Made from ABS
Dimensions 65x65x18mm
Free software available



Z-397 isolated

Adapter for programming of controllers by RS-485
Galvanically isolating controller from PC
USB output for connection to PC
Power supply from USB
USB cable included
Made from ABS
Dimensions 65x65x18mm
Free software available



Z-397 IP

Ethernet adapter for programming of controllers by RS-485 (422)
TCP/IP, TELNET, ICMP, UDP, DHCP protocols
USB output with cable included for configuration of adapter
Possability for phisical locking of parameters
Made from ABS
Dimension 100x85x30mm
Free software available

Locks



Z-7 EHT

Autonomous standalone doorlock
EM Marine, HID, Temic reader
EEPROM memory for 1364 cards and 1000 events max
Programmable with master-card or Z-2 RS-232 adapter
Standby power 30uA 6V
Power supply 4x1,5V AA batteries/
25 000 openings with one battery set
LED indicator and sound buzzer at reading
Made from stainless steel
Available in gray and gold color
Dimensions 240x75x26mm



Z-8 EHT

Autonomous standalone doorlock
EM Marine, HID, Temic reader
EEPROM memory for 1364 cards and 1000 events max
Programmable with master-card or Z-2 RS-232 adapter
Standby power 30uA 6V
Power supply 4x1,5V AA batteries
25 000 openings with one battery set
LED indicator and sound buzzer at reading
Made from stainless steel
Available in gray and gold color
Dimensions 240x75x26mm



Z-395ET (silver)/ Z-396ET(gold)

Autonomous standalone lock for locker
EM Marine, HID, Temic reader
EEPROM memory for 24 user cards, 7 master-cards
Programmable with master-card
four opening modes
Standby power 30uA
LED indicator and sound buzzer at reading
Made from ABS
Dimensions: external 85x54x18,
Internal 145x63x21mm

Cards and Tags



IL-05E

EM Marine clamshell card
Read only
ID interface XXX,XXXXX
Made of ABS
Possible factory printing
Dimensions 86x54x1,6mm



IL-06EM

EM Marine ISO card
Read only
ID interface XXX,XXXXX
Made of PVC
Possible factory printing
Dimensions 86x54x0,76mm



IL-06M

MIFARE ISO card S50 1k
Read and write up to 100 000 times
ID interface XXXXXXXX
Made of PVC
Possible factory printing
Dimensions 86x54x0,76mm



IL-06M4

MIFARE ISO card S70 4k
Read and write up to 100 000 times
ID interface XXXXXXXX
Made of PVC
Possible factory printing
Dimensions 86x54x0,76mm



IL-07E

EM Marine tag/ Read aonly
ID interface XXX,XXXXX
Made of ABS
Possible factory printing
Dimensions 37x30x3mm



IL-07M

EM MIFARE tag 1k
Read and write up to 100 000 times
ID interface XXXXXXXX
Made of ABS
Possible factory printing
Dimensions 37x30x3mm



IL-07EK

EM Marine tag
Read aonly
ID interface XXX,XXXXX
Made of natural leather
Dimensions 35x35x3mm



IL-11

EM Marine bracelet
Read aonly
ID interface XXX,XXXXX
Made of natural silicone
Diameter 60mm