HIGH ENERGY IGNITION MODULE

200-HEP-A6Z 24J + CAP

COMBUSTION AND ENERGY

HIGH ENERGY IGNITION MODULE

200-HEP-A6Z 24J + CAP

KEY FEATURES

- High energy ignition system
- Power discharge: 24J
- Output volt.: 2kV impulsive capacity discharge
- Degree of protection: IP20
- Discharge frequency: <0,1s to >10s adjustable, preset to 5s
- Installation type: for DIN connector
- Max Freq.: 4 sparks x second

MECHANICAL FEATURES

- Electronic circuits
- Operating temp. range: - 40°C to + 85°C
- Storage temp. range: - 55°C to + 55°C
- Dimensions: 180x75x120mm
- Unit weight: 750g
- Enclosure: PVC
- Connections: screw terminals

ELECTRICAL FEATURES

- Nominal operating voltage: 2000V
- Power supply: from 20VDC to 28VDC
- Electronics c/w temperature compensation
- Discharge frequences regulation
- Fault relay (as option) - Max. applicable voltage 60VDC/42VAC 0,2A
- 12-24VDC remote start (as option)

OPTIONS

- High Energy Ignition Probe 200-HEF-5AA
- Ex d IIC version
- Power supply from 100 to 240VAC with dedicate power converter
- Spark tip code: 200-HEF-9A3

INSTALLATION

- Inside control local panel

APPLY TO

- Flares
- Boilers

CERTIFICATION
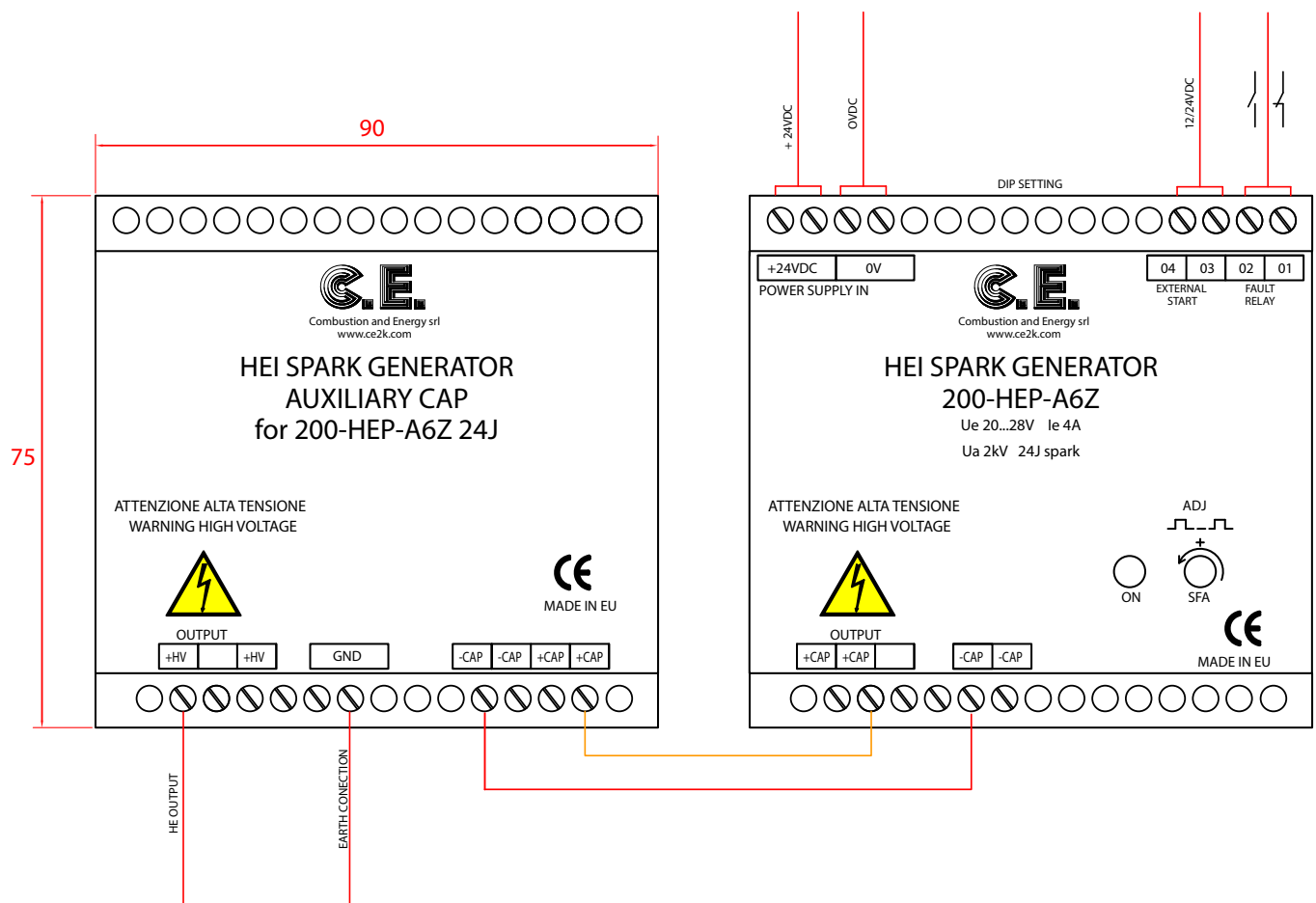
- CE marking

MANUFACTURER

Combustion and Energy Srl
Part number:
- 200-HEP-A6Z 24J+CAP
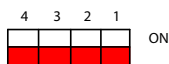- 200-HEP-A6Z 24J + CAP + MDR (power supply from 100 to 240VAC)
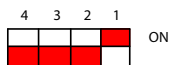
HIGH ENERGY IGNITION MODULE

200-HEP-A6Z 24J + CAP

90

75

+ 24VDC
0VDC
12/24VDC

DIP SETTING

C.E.
Combustion and Energy srl
www.ce2k.com

+24VDC	0V

POWER SUPPLY IN

04	03	02	01

EXTERNAL START   FAULT RELAY

HEI SPARK GENERATOR
AUXILIARY CAP
for 200-HEP-A6Z 24J

HEI SPARK GENERATOR
200-HEP-A6Z

Ue 20...28V   Ie 4A

Ua 2kV   24J spark

ATTENZIONE ALTA TENSIONE
WARNING HIGH VOLTAGE

ATTENZIONE ALTA TENSIONE
WARNING HIGH VOLTAGE

ADJ

MADE IN EU

ON   SFA

MADE IN EU

OUTPUT

| +HV | | +HV | | GND | | | -CAP | -CAP | +CAP | +CAP |

OUTPUT

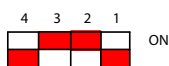| +CAP | +CAP | | -CAP | -CAP |

HE OUTPUT

EARTH CONECTION

4 3 2 1   ON
HE MODULE, NO ADDITIONAL FUNCTION
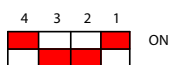
4 3 2 1   ON
HE MODULE WILL WORK UNTIL 12 OR 24VDC IS APPLYED ON THE START RELAY
(Connect 12/24VDC to PIN 3 and 0V to PIN 4)

4 3 2 1   ON
TIP AND CABLE FUNCTION CHECKING AVAILABLE
FAIL SAFE NORMAL CONDITION CONTACT CLOSED, FAULT CONDITION CONTACT OPEN
(See max. applicable voltage)

4 3 2 1   ON
FAULT CONTACT RELAY N.C.
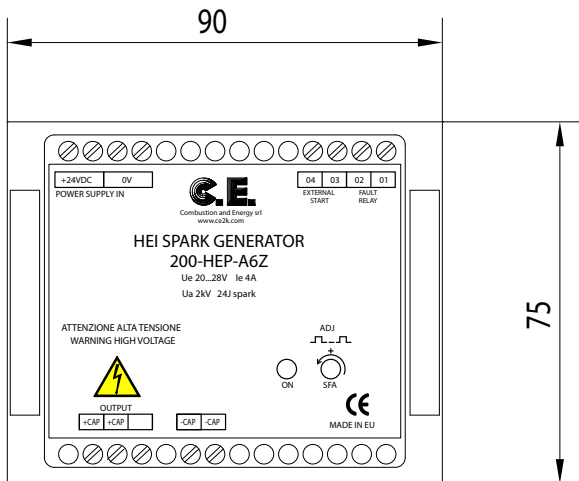(See max. applicable voltage)

4 3 2 1   ON
HE MODULE FUNCTION BOOSTER WITH EXTERNAL START RELAY

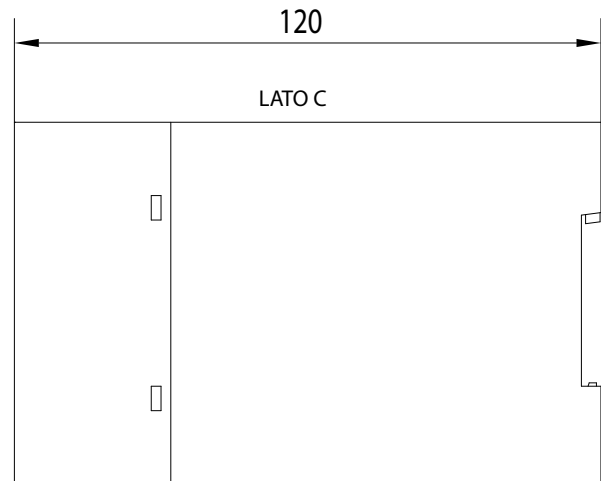**C.E.**
COMBUSTION AND ENERGY

HIGH ENERGY IGNITION MODULE

200-HEP-A6Z 24J

- Led Red ON: when the HE module is sparking.
- Led Green ON: when the HE module is ON and waiting for spark.
- Led Red flashing continuously: cable interrupted or TIP not connected (reignition delay 30 seconds) - (This function is valid only if DIP 2 is ON)
- Led Red flashing continuously: cable interrupted or TIP in short circuit (reignition delay 10 seconds) - (This function is valid only if DIP 2 is ON)
- Led Orange (green + red) flashing continuously: spark generator component or TIP are no more efficently. (This function is valid only if DIP 2 is ON)
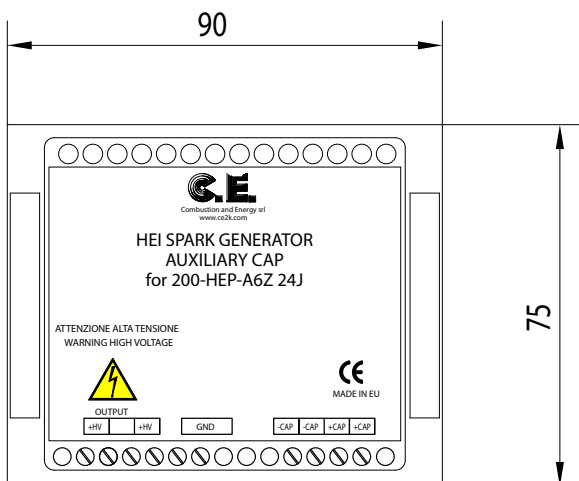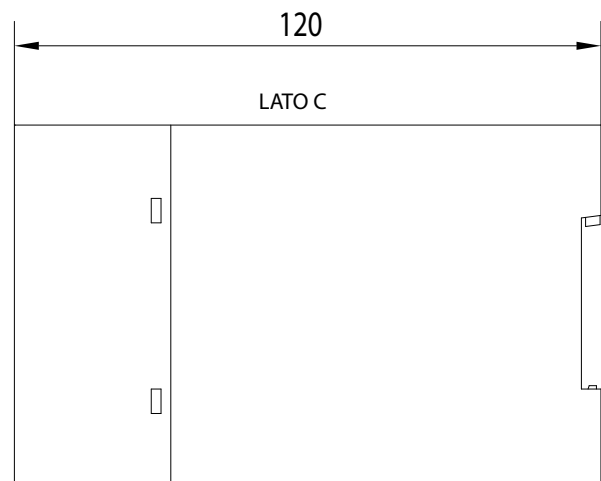
TOP VIEW

90

75

+24VDC   0V
POWER SUPPLY IN

04   03   02   01
EXTERNAL   FAULT
START   RELAY

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HEI SPARK GENERATOR
200-HEP-A6Z
Ue 20...28V   Ie 4A
Ua 2kV   24J spark

ATTENZIONE ALTA TENSIONE
WARNING HIGH VOLTAGE

ADJ

ON   SFA

OUTPUT
+CAP +CAP   -CAP -CAP

MADE IN EU

SIDE VIEW

120

LATO C

TOP VIEW

90

75

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HEI SPARK GENERATOR
AUXILIARY CAP
for 200-HEP-A6Z 24J

ATTENZIONE ALTA TENSIONE
WARNING HIGH VOLTAGE

MADE IN EU

OUTPUT
+HV   +HV   GND   -CAP -CAP +CAP +CAP

SIDE VIEW

120

LATO C

COMBUSTION AND ENERGY