

HIGH TENSION CONVERTER FOR ELECTRIC SPARK IGNITION OF BURNER USING GAS OR LIGHT LIQUID FUEL

PRODUCT: ACS-TE-□□-C1

☎ Customer Service 55 11 3019-1616

Technical Sheet 1/3

For further details, see technical bulletin

• APPLICATION

Ignition by electric sparking of burner using gas or light liquid fuel such as kerosene, oil, diesel, alcohol, etc.

• TECHNICAL DATA

- ⇒ Type: electronic
- ⇒ Feeding 115 or 220Vac +10 -15% (Phase / Phase or phase / neutral not grounded) 50/60 Hz ± 3%.
- ⇒ Primary current: up to 2,3 A at 115 Vac; up to 1,8A at 220 Vac, up to 5A at 12Vdc; and up to 3A at 24Vdc; current variations are due to the "gap" of electrode(s). The user should plan delay fuse in order to protect the ignition converter.
- ⇒ Secondary power: 100VA at 115 or 220Vac and 50VA at 12Vdc or 24Vdc
- ⇒ Secondary peak-to-peak tension: 10000 Vpp
- ⇒ Ambient operation temperature: 0°C to 60°C dry heat
- ⇒ Storage ambient temperature: - 5° C to 65°C dry heat.
- ⇒ Maximum relative moisture of ambient air, in operation: 90% (40 ± 2) ° C (NBR 5291)
- ⇒ Service mode: intermittent 33% (60-second cycle; being 20 sec. ON and 40 sec. OFF)
- ⇒ Outer covering: black plastic box injected in synthetic material (ABS).
- ⇒ Ambient protection degree: outer covering IP 55; high tension terminals: IP 50
- ⇒ Primary connection: PVC-PVC cable 70°C, delivered with 400mm length
- ⇒ Secondary connection: Use high tension cable of \varnothing_{ext} with 7mm x 1mm², available with four types of insulation; with PVC insulation for up to 105°C code ACS-CB-0511; with neoprene insulation for up to 130°C code ACS-CB-1521; with silicon insulation for up to 200°C code ACS-CB-2531 or with silicon insulation for up to 300°C code ACS-CB-2541. The high tension cable is to be threaded in the female cavity, where, internally, the self- attaching bolt connection terminals are located, up to the cavity's natural limit. The product comes with two rubber tit for protection of the secondary terminals.
- ⇒ Maximum length of high tension cables: 3 meters (it is not recommended to install high tension cable using metallic conduit).
- ⇒ Opening of high tension terminal at the sparking point: $2\text{mm} \leq d \leq 5\text{mm}$
- ⇒ Internal high tension electrodes (d = 8mm) with window for visualization, and to protect against excessive opening of ignition electrode(s) end(s) in the burner.
- ⇒ Assembly: fixed from the basis of the converter, with bolts (2 x M4)
- ⇒ Service mode: intermittent 33% (60-second cycle; being 20 sec. ON and 40 sec. OFF)
- ⇒ Outer covering: black plastic box with injected synthetic material (ABS).
- ⇒ Weight: 1300 grams.
- ⇒ Warranty: 12 month (see term of warranty)



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CNPJ: 56.935.877/0001-29

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Representative or Retailer:

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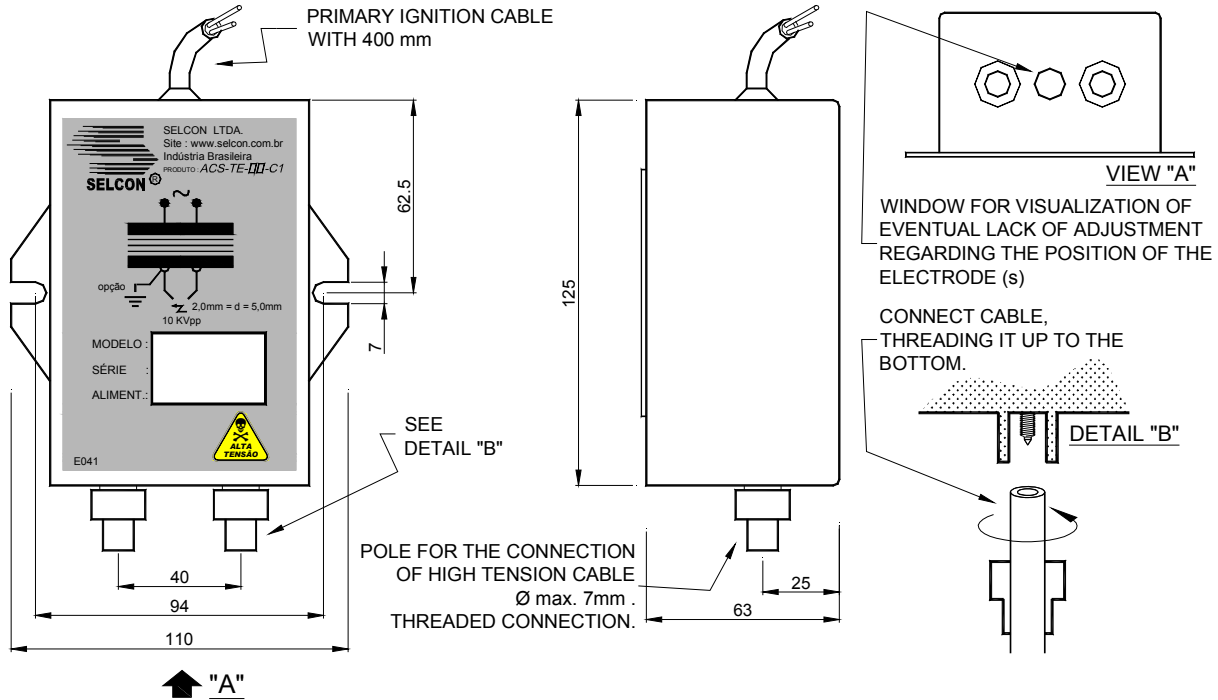
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• **Dimensional Draft (mm)**



• **CODE FOR ORDERS - ACS-TE-□□-C1**

ACS-TE	FEEDING		C - POWER
	TENSÃO	FREQÜÊNCIA	
□	<input type="checkbox"/> (d1) d1 = 1 => 115Vac OR d1 = 2 => 220Vac	<input type="checkbox"/> (d2) d2 = 1 => 50/60 Hz	d3 = 1 => 100VA
	d1 = 0 => Vcc	d2 = 4 => 12 Vcc OR d2 = 5 => 24 Vcc	



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• **BE AWARE:**

⇒ Use the programmers and/or detector relays exclusively with flame sensors of Selcon manufacturing.

• **OTHER PRODUCTS AND ACCESSORIES:**

- ⇒ Flame Relays – CHM-E, CHM-P, CHM-M e CHM-F
- ⇒ Tightness Test Relay of blocking valves – CHM -T
- ⇒ Ignition Programmers and flame monitoring – PRG-E, PRG-Ie, PRG-Ie -IIIme (with base), PRG-I, PRG-M e PRG-M-IIIme (with base)
- ⇒ Optical Flame Sensors– SEL- SV
- ⇒ Flame sensors by ionization and ignitor electrodes – SEL-HT e SEL-HT-E (sensors and electrodes assembled under draft or sample from the special-client).
- ⇒ Flame signal transmitter– ACS -TX (until 500 meters between the sensor and relay or programmer)
- ⇒ Flame Signal Converter for 4 -20 mA – ACS - CV
- ⇒ Ignition transformers – ACS -TE (for feeding in VAC or VCC)
- ⇒ Portable ignitor – ACS-IP (works with common alkaline battery AA type)
- ⇒ Several Cables– ACS - CB (ignition / sensing / communication / control)
- ⇒ Connector and protector to touch for ignition cable – ACS - CP
- ⇒ Temporized ignition panel ACS – IT
- ⇒ Ignition and flame panel – ACS - PI
- ⇒ Articulated socket joint – ACS - CN
- ⇒ Ignition and monitoring panel – ACS-PN (under consultation)
- ⇒ Reform services of pilot burners (under consultation)
- ⇒ **PRODUCTION DATA SUPERVISION LINE**



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