

# HIGH TENSION CONVERTER FOR ELECTRIC SPARK IGNITION OF GAS BURNER

PRODUCT: ACS-TE-□1-C2

TECHNICAL SHEET 1/3

☎ Customer Service 55 11 3019-1616

For further details, see technical bulletin

## • APPLICATION

Electric spark ignition for gas burners.

## • TECHNICAL DATA

- ⇒ Type: electric
- ⇒ Feeding: 115 or 220Vac +10 -15% (**phase / phase or phase / neutral non-grounded**) -50/60 Hz ± 3%.
- ⇒ Primary current: until 1,0 A in 115 V and until 0,8A in 220 V, the current variations are the electrode's gap function.

The user must estimate delay fuse for the ignition converter protection.

- ⇒ Power of secondary: 60VA
- ⇒ Tension of Secondary peak -to -peak: 10000 Vpp
- ⇒ Ambient operating temperature: 0°C a 60°C dry heat.
- ⇒ Storage ambient temperature: - 5° C a 65° C dry heat.
- ⇒ Maximum ambient air moisture for operation: 90% (40 ± 2) ° C (NBR 5291)
- ⇒ Working conditions intermittent 33% (for a 60 sec cycle, **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
- ⇒ Connection of the primary: PVC - PVC 70°C cable, delivered with 400mm length
- ⇒ Connection of the secondary: Use high tension cable of  $\varnothing_{ext}$  of 7mm x 1mm<sup>2</sup>, available in four types of isolation; with PVC isolation for until 105°C code ACS-CB-0511; with neoprene isolation for until 130°C code ACS-CB-1521; with silicone isolation for until 200°C code ACS-CB-2531 or still with silicone isolation for until 300°C code ACS-CB-2541. The high tension cable must be thread in the secondary's female cavity, where internally the self-locking setscrew type connection terminal is located, until the limit naturally allowed by the referred cavity. Two rubber teats for the secondary's terminal protection go with the product.
- ⇒ High tension cables maximum length: 3 metros (it is not recommended to use a metallic conduit to install the high tension cable).
- ⇒ High tension terminals opening in the sparking point:  $2\text{mm} \leq d \leq 4\text{mm}$
- ⇒ High tension internal electrodes (d = 8mm) with visualization window, for protection against excessive opening of the ignition electrode(s) head(s) in the burner
- ⇒ Assembling: bolted fixation (2 x M4) through the converter's base.
- ⇒ Weight: 350 grams
- ⇒ Warranty: 12 months (**see term of warranty**)



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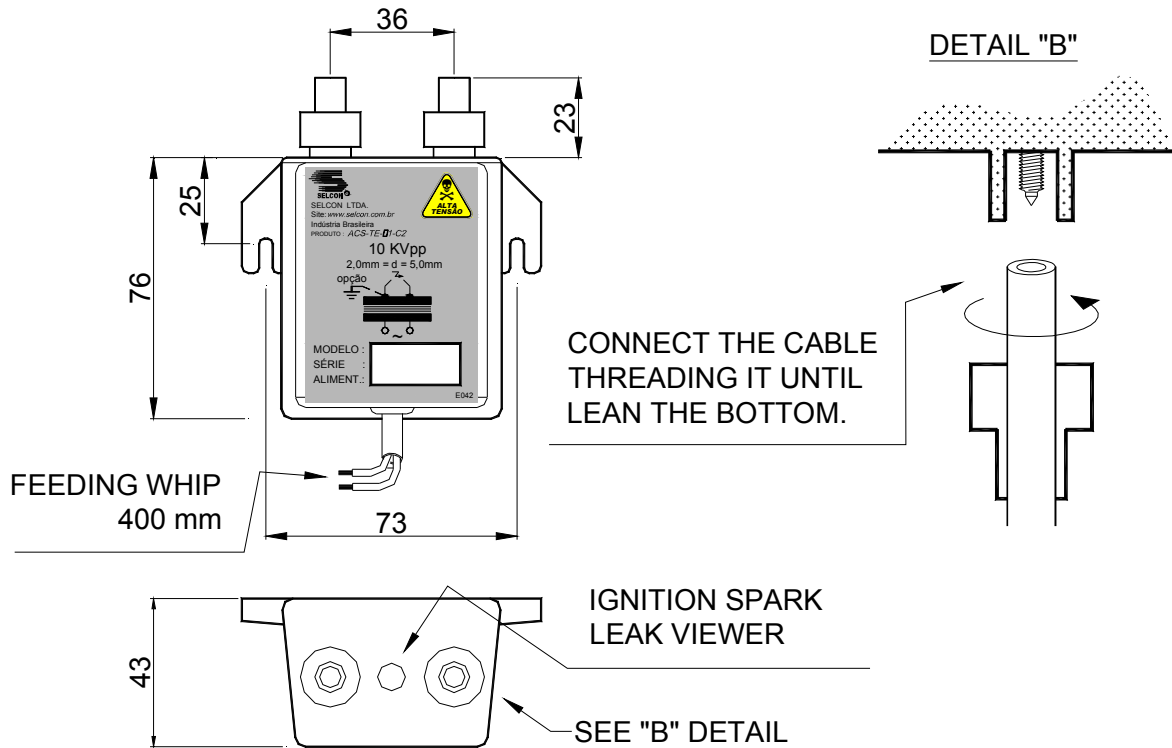
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**TECHNICAL SHEET 2/3**

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• **Dimensional Draft (mm)**



• **ORDER CODE - ACS-TE-□1-C2**

ACS-TE	FEEDING	C - POWER
	<b>TENSION</b> <input type="checkbox"/> (d1) d1 = 1 => 115Vac OR d1 = 2 => 220Vac	
	<b>FREQUENCY</b> d2 = 1 => 50/60 Hz	d3 = 2 => 60VA



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TECHNICAL SHEET 3/3

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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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