

HIGH TENSION CONVERTER FOR ELECTRIC SPARK IGNITION OF GAS BURNER

PRODUCT: ACS-TE-21-C4

Technical Sheet 1/3

☎ Customer Service 55 11 3019-1616

For further details, see technical bulletin

• APPLICATION

Converter for electric spark ignition of gas burner

• TECHNICAL DATA

- ⇒ Type: electronic
- ⇒ Feeding 220Vac +10 -15% (**phase / phase or phase / neutral not grounded**) -
50/60 Hz ± 3%.
- ⇒ Primary current: up to 0,15 A at 220 V, 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: 8 VA
- ⇒ 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: brown and red PVC cable 70°C, delivered with 150mm length.
- ⇒ Secondary connection: high tension neoprene cable 130°C code ACS-CB-1521 (\varnothing_{ext} : 7mm, conductor section 1mm²), delivered with 1700mm length and green / yellow grounding cable, delivered with 400mm length. 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: 1,7 meters (it is not recommended to install high tension cable using metallic conduit).
- ⇒ Opening from the ignition electrode up to the sparking point: $2\text{mm} \leq d \leq 4\text{mm}$
- ⇒ Assembly: fixed from the basis of the converter, with bolts (2 x M4)
- ⇒ Weight: 150 grams.
- ⇒ Warranty: 12 month (**see term of warranty**)



SELCON SISTEMAS ELETRÔNICOS DE CONTROLE LTDA.
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Representative and Retailer:

Selcon Ltda., keeps the right to modify this technical sheet whenever it is necessary – **Jan./07**

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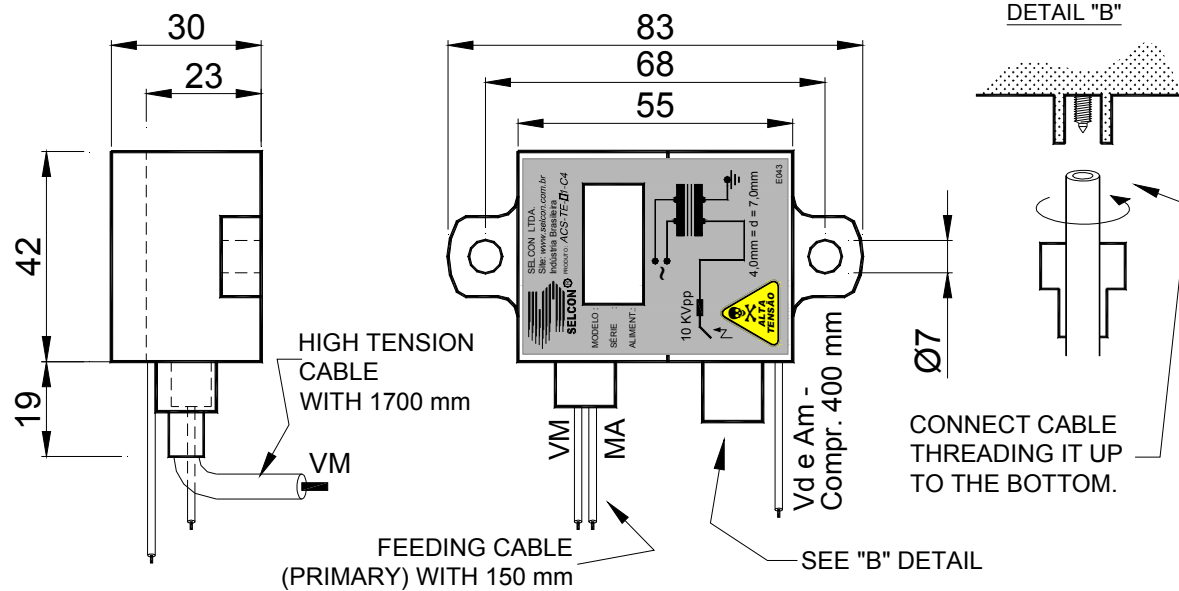
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Technical Sheet 2/3

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• **Dimensional Draft (mm)**



• **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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