

FCC DECLARATION OF CONFORMITY

Applicant: Electron do Brasil Tecnologia Digital LTDA
Address: Avenida Brasil, 2436 – CEP: 13.296-122, Itupeva – SP
Product: RTU – Remote Unit for Monitoring and Digitizing Signals
Model No.: Remote
Brand: Electron
Manufacturer: Electron do Brasil Tecnologia Digital LTDA



FCC CERTIFICATE OF CONFORMITY

This equipment has been subjected to type tests in national and international recognition laboratories accredited by Inmetro and found to be in accordance with the limits of a Class A digital device, in compliance with part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used as described in the User Manual, external interference may occur that implies the proper functioning of the device.

TESTS PERFORMED

- Applied Voltage (IEC 60255-5): 2kV / 60Hz / 1 min. (against land);
- Voltage Impulse (IEC 60255-5): 1.2/50 µsec. / 5kV / 3 sec. and 3 sec. / 5 sec. Break;
- Electrostatic Discharges (IEC 60255-22-2): Air mode = 8kV / Counted mode = 6 kV;
- Immunity to radiated electromagnetic disturbance (IEC61000-4-3): 80 to 1000 MHz / 10V/m;
- Immunity to Fast Electrical Transients (IEC60255-22-4): Alim/Input/Outputs=4Kv/common 2Kv;
- Surge Immunity (IEC60255-22-5): phase/neutral 1Kv, 5 per polar (±) - phase-to-ground/neutral-to-ground 2Kv, 5 per polar (±);
- Immunity to conducted Electromagnetic disturbances (IEC61000-4-6): 0.15 to 80 MHz / 10V/m;
- Climate Test (IEC60068-21-14): - 40°C + 85°C / 72 hours;
- Vibration Resistance (IEC60255-21-1): 3-axis / 10 to 150Hz / 2G / 160min/axis;
- Vibration Response (IEC60255-21-1): 3-axis / 0.075mm-10 at 58 Hz / 1G from 58 to 150 Hz / 8min/axis.

Itupeva, August 04, 2020

ELECTRON DO BRASIL TECNOLOGIA DIGITAL LTDA
07.643.915/0001-64

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