CLAIMS

1. Access device for accessing an underground or overground civil engineering infrastructure, comprising an access door (1) having a closed position in which it shuts a chamber (4) and an open position in which it gives access to said chamber (4),

the access device comprising at least one sensor (34) adapted to measure a quantity representing a mechanical or thermal action on the door (1) and to deliver a signal corresponding to the measured quantity, and an analysis module configured to analyze the signal so as to detect information characteristic of an attempted intrusion into the chamber (4), and, in case of detection of said information characteristic of an attempted intrusion into the chamber (4),~~characteristic information~~, to generate an attempted intrusion warning,

the access device comprising a communication module (3) configured for ~~the emission of~~emitting said attempted intrusion warning,

characterized in that the analysis module detects the information characteristic of an attempted intrusion by analysis of the temporal change in said measured quantity, namely a temporal change in a frequency of shocks, vibrations, or sounds and/or a temporal change in temperature or in thermal radiation.

2. Device according to claim 1, wherein the analysis module detects the information characteristic of an attempted intrusion on the basis of a correlation of parameters of a same signal or of parameters of signals coming from different sensors (34).

~~3. Access device according to claim 1 or claim 2, comprising a shock or vibration sensor, or an acoustic sensor, wherein the detection of the information characteristic of an attempted intrusion is based at least in part on the frequency of shocks, vibrations, or sounds detected.~~

~~4~~3. Access device according to claim 1 or claim 2~~ 3~~, wherein the frequency of shocks, vibrations, or sounds is correlated with data on intensity of

the shocks, vibrations, or sounds, for the detection of the information characteristic of an attempted intrusion.

~~4~~5. Access device according to one of claims 1 to ~~3~~4, comprising a temperature sensor or an optic sensor for detecting thermal radiation.

~~6. Access device according to claim 5, wherein the detection of the information characteristic of an attempted intrusion is based at least in part on a temporal change in the temperature or in the thermal radiation.~~

~~7~~5. Access device according to one of the preceding claims, wherein the communication module comprises wired or wireless communication means.

~~8~~6. Access device according to claim ~~7~~5, wherein the communication module is of multi-protocol type.

~~9~~7. Access device according to one of the preceding claims, comprising at least one sensor of opening or of closing of the door from: a mechanical contact sensor, a sensor of angular position of the door, an accelerometer, an optical sensor.

~~10~~8. Access device according to one of the preceding claims, wherein the device comprises a battery (36) enabling the supply, as main supply or in the event of a fault in a main electric source, of the communication module (3).