Standard Touch Sensor

TeleControlli
Leader in Design & Manufacturing
of hybrid circuits

Principle of Operation: Capacitive

Technology: Thick Film on Allumina (AL$_2$O$_3$)substrate

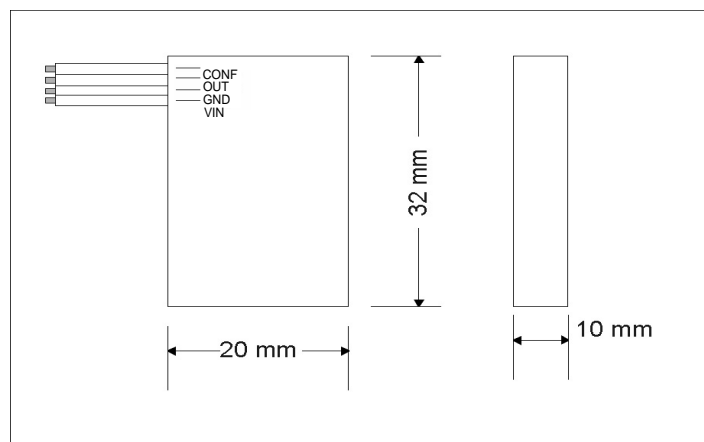**Typical Applications:**

Touching Switches

Anti-vandal Keyboards

Typical Sectors:

Inustrial monitoring & Automation

Home & Building Automation

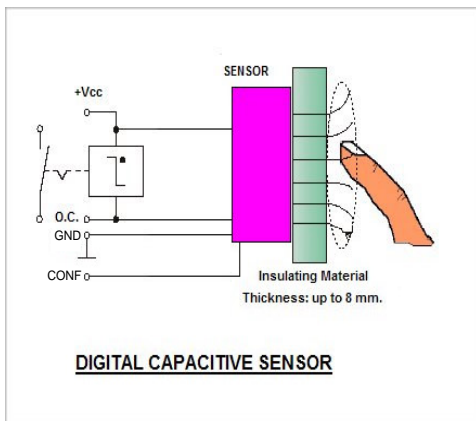## Mechanical Dimensions*

Electrical Parameters:

- Supply voltage : 8V to 24V DC
- Supply current: 6.5mA (max)
- Key Response Time in Standby Mode : 500msec (max)
- Key Response Time in Normal Mode : 125msec (max)
- Key Hold Time : 50sec (max)
- Load current (out - sink) : 100mA (max)

Operation Featuring:

- Output: open collector (clamp diode protected)
- Key on : low level output (DC Out)
- operating temperature : -40°C... +85°C
- sensivity : up to 10 mm (Digital sensor without housing)
- Function mode: programmable throught pin strap ("CONF" wire)

DIGITAL CAPACITIVE SENSOR

PAY ATTENTION :
    "CONF" wire never keep in contact with "VIN" and "OUT" wires, otherwise the sensor will be permanently damaged

* Mechanical dimensions can be customized according to project requirements, in line with the design constraints..

Function	Other Product Version
DC Out (Hold-Level) : "CONF" wire left open Toggle : "CONF" wire connect to GND	Standard Touch Sensor Standard Touch Sensor without housing