



## Teltonika Wireless Control Terminal TWCT20

Are you looking for a product which allows you to monitor and control your remote units/equipments? Do you need a product which not only enables remote monitoring and control but also sends you SMS/Email in case of alarm conditions? If yes, then TWCT20 is the product which would fulfill these needs in the most effective and economic way.

TWCT20 is an advanced yet simplified Remote Terminal Unit. Taking advantage of the reliable, widespread GSM networks and the supported GPRS service, TWCT20 becomes a remotely accessible unit from any part of the world. Using an embedded feature rich web server interface, you can configure various parameters of TWCT20. The inputs present on TWCT20 can be used for monitoring of external devices or connecting sensors (analog/digital). Alarm conditions can be configured for monitoring of these inputs. Since TWCT20 supports SMS and SMTP protocols, the device can be configured to send SMS/Email whenever alarm conditions occur. TWCT20 also gives you the freedom to control the states of the connected outputs. By sending a simple SMS you can change/get the status of the outputs.

Given the set of hardware features, software ability and GSM connectivity TWCT20 is an ideal product for use in wide variety of application areas. With minimal to no effort, TWCT20 can be easily integrated in an operational system with ease. Some of the application areas could be (the list is however not limited to these application areas):

- Security systems
- Irrigation & fire alarm systems
- Building surveillance and control
- Home & garden automation projects
- Heating, lighting & climate control
- Remote monitoring and device/equipment control

Wide coverage of GSM networks and the provision of GPRS connectivity have made it possible to interconnect systems wirelessly. TWCT20 exploits the benefits of this wireless technology and gives you control of your remote units from any part of this World. All-in-all TWCT20 is an advanced, effective and an economical solution for fulfilling your needs of remote monitoring and control applications.



#### Features:

- Quad band: 850/900/1800/1900 MHz, gives worldwide operation.
- 7A relay outputs, to drive heavy loads
- Surge and reverse voltage protection on all the inputs.
- Two Analog inputs with mode selection, voltage mode (0-10V) or current mode (4-20mA)
- Turn ON/OFF the outputs by sending SMS
- Alarm message service over SMS or email
- Simple configuration through any web browser
- DIN rail mounting, for easy integration in industrial environment
- 4 LED's for input status, 4 LED's for output status
- Dual color device status LED
- 24V power supply, ideal for use in heavy duty vehicles like buses, trucks
- Watchdog controller ensures reliable and continuous operation
- RS232 hardware interface.
- Firmware upgrade possibility

#### TECHNICAL SPECIFICATIONS

##### Physical:

- Operating temperature range from -20° C to +55° C
- DIN Rail Mounting
- Dimensions 90x70,5x57,6 (mm)
- Interface RS232 (RJ45 connector)
- GSM antenna MMCX connector

#### GSM:

- GPRS Class 10: 16-24 Kbps upload, 32-48 Kbps download
- SMS: Text mode
- Wireless modem: Quad Band GSM (850/900/1800/1900MHz)

#### Electrical:

- Power 24V  $\pm$ 10%
- 4 digital inputs ("0" (false) 0 3V, "1" (true) 3-24V, terminal blocks)
- 2 analog inputs. (0 10V, 4-20mA, terminal blocks)
- 4 relay outputs (-250V, 7A, terminal blocks)

#### Miscellaneous:

- RS232 interface, Socket : RJ-45
- Alarm message service SMS, EMAIL
- Protocol HTTP, SMTP
- Configurable with internal WEB server interface
- Additional watchdog controller

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