TTM 01-E
QUICK START GUIDE

QUICK SETUP

1. Install antenna in a location visible to the sky; connect to lightning arrestor (Optional)
2. Install the TTM 01-E in the desired location and connect to the antenna
3. Connect to power, ensuring correct voltage is used
4. The top panel of the TTM 01-E includes the following ports:
   - 1 x RJ45 Ethernet input (ADMIN/ETH) or
   - 1 x SMA Antenna Connector
5. When running the TTM 01-E for the first time, the Time Output, Network, and Security settings can be configured by running the Configuration Tool software on any PC on the same network as the TTM 01-E. See Configuration Tool Tips and Networking Tips for more help
6. Once the TTM 01-E is fully setup, connect the clock outputs to your device/s

CONFIGURATION TOOL TIPS

- The Configuration Tool software is available from www.tekron.com
- To connect to your TTM 01-E: press the **Discover** button, then select the TTM 01-E from the list, then press the **Configure** button
- In most applications, the TTL output should be configured to IRIG-B, with "Extensions" set to IEEE 1344 (see right)
- Set this by going to the I/O tab, then for each port:
  - 1) Select the port
  - 2) Set the output type to IRIG-B
  - 3) Change the extensions to IEEE 1344

NETWORKING TIPS

- If the TTM 01-E does not appear when you press **Discover** in the Configuration Tool, connect the TTM 01-E directly using an Ethernet cross-over cable
- If using DHCP: before powering up ensure the TTM 01-E is connected to the network
- Ensure you have administrative rights on your PC

DEVICE CONNECTION TIPS

- It's recommended a twisted pair cable is used to connect devices to the TTL port
- A termination 120 Ω resistor can be added to the end of a TTL run to achieve good impedance match

Bottom Panel – Inputs/Outputs

Top Panel – Inputs/Outputs