



The Nemtek Taut Wire (TW) sensor (E-TWS1) can detect a change in tension on a wire and create an alarm notification and send information to a controller.

The TW node controllers (E-TW/NODE1 and E-TW/NODE2) have two channels that can monitor up to 31 TW sensors per channel.

The FG7C controller (EE-FG7C/TW) with an LCD graphic display can monitor and control up to 31 TW sensors. Each TW sensor is addressable, and the detection sensitivity levels can be programmed for each TW sensor's needs.

The TW sensor is located and mounted in the centre of a wire run and can detect a change in tension of up to 50m pre-side (100m in total).

The TW sensors have been designed so that they can be incorporated into a high-voltage electric-fencing system. Using the Nemtek TW wire technology and Nemtek electric fencing systems, a formidable high-security barrier can be created.



FEATURES

- Robust design with high electrical insulating properties so it can be used in conjunction with an electric-fence system
- UV-stabilised polymer with AISI304 stainless steel base mounting plate and fittings for external use
- Completely sealed unit for all weather conditions including a 3m mylar-screened cable for easy reach into a junction box
- Stainless steel base mounting plate to secure the TW sensor firmly and secure onto a metal base
- Built-in filter to reduce noise interference
- Built-in surge protection in each sensor

SPECIFICATIONS

Size (maximum excluding the 3m cable)	L110mm x W70mm x H40mm
IP rating	IP67
Cable type	3 core mylar screen cable
Cable length	3m
Weight (TW sensor with 3m cable)	~130g
Weight (TW dummy sensor)	~90g
Operating detection range (programmable)	~0.1N – ~20N
Operating tension range minimum (active balanced)	+50N
Operating environment	-20°C – 55°C @ 100% RH (condensing)
Power supply	5.7Vdc – 15Vdc
Current consumption	9mA
Network communication	Proprietary
Fence wire diameter	1.6mm – 2.5mm