



TWM TRAFFIC CONTROL SYSTEMS

Info 1000 Message Sign



The Info 1000 has the ability to display **2 pages of text**, which alternate between each other for 3 seconds. Text is displayed in amber LED's along with four LED amber corner clusters. The sign has a grey non reflective 200mm border surrounding a black background.

Control of the sign is via SMS text message sent by a trusted number. The sign can only display messages that are sent from registered trusted numbers, this avoids any unauthorised messages being displayed on the signs.

The sign can be pre-programmed with up to ten designated messages and has the capability of displaying free text. Both the pre-set message and free text can be sent via the text message option. If required the sign has the option of an override switch installed in the base of the pole. This allows the user to switch between pre-set messages.

Signs can be fitted with a radar which will **detect vehicles up to 400m**. This ensures the sign will only activate when a vehicle approaches.

Measurements:

- ✓ 75mm/100mm/150mm cap-height with a 200mm border

Key Features:

- ✓ Trusted numbers activation
- ✓ With or without amber corner flashers
- ✓ GSM/SMS controlled

Options:

- ✓ Wind & solar options available
- ✓ Up to 10 pre-set messages
- ✓ Radar activation available
- ✓ 230v mains or 12v DC powered sign



www.twmtraffic.com ☎ 01606 596622

Unit 4, Oasis Business Park, Road One
Winsford Ind Est, Winsford, Cheshire CW7 3RY

Electrical data

Rating	230VAC, 50/60Hz or 12v dc
Power Consumption	Low Power Design
Peak (All LEDs active)	Design Dependant

Radar sensor

Type	CW doppler
Operating Frequency	K-Band (24GHz)
Power Usage @4hz	100m <65mW 200m <170mW 400m <65mW
Beam Angle	38° x 45° 32° x 30° 24° x 12°
Output Capability	RS232 or RS485 or USB
Detection Range	min. 100m max. 400m Typ. 400m
Operating Speed	1mph - 150mph
Certification	

GSM Coms

Frequency Bands	Quad band: GSM 850/900/1800/1900MHz
GSM class	Small MS
Output Power	Class 4 (+33dBm ±2dB) for EGSM850 Class 4 (+33dBm ±2dB) for EGSM900 Class 1 (+30dBm ±2dB) for GSM1800 Class 4 (+33dBm ±2dB) for GSM1900
Power Consumption	Power Down Mode: Typ 50µA Sleep: 3.7 to 7.0mA Idle: 28mA
Operating Temp	-15°C to + 65°C
Data Transfer GPRS	Multislot Class 12 Full PBCCH support Mobile station Class B Coding Scheme 1-4 CSD V.110,RLP, non transparent 2.4, 4.8, 9.6, 14.4kbps USSD PPP-stack for GPRS data transfer
SMS	Point-to-Point MT and MO Cell broadcast Text and PDU mode Storage: SIM card plus 25 SMS locations in mobile equipment Transmission of SMS alternatively over CSD or GPRS, preferred mode user defined
Fax	Group 3; Class 1



www.twmtraffic.com
01606 596622

Unit 4, Oasis Business Park, Road One
Winsford Ind Est, Winsford, Cheshire CW7 3RY

SIM interface	Supported SIM Cards: 3V, 1.8V
Antenna	50Ohms. External antenna can be connected via antenna connector or solderable pad
Standards	Standards of European Type Approval 3GPP TS 51.010-1 ETSI EN 301 511 "V9.0.2 GCF-CC V3. 16.0 ETSI EN 301 489-1 "V1.4.1 ETSI EN 301 489-7 "V1.2.1 IEC/EN 60950-1 (2001)

LEDs

Brand (Display)	Cree 5mm Round LED
Brand (Clusters)	Cree 5mm Round LED
Colour	Amber
Viewing Angle	30°
Operating Temp	-40° + 95°
Life Span	Over 50,000 hrs
Lens	4mm Polycarbonate

Mechanical data

Continuous/Discontinuous	Discontinuous
Enclosure	3mm Aluminium
Front window	4mm Clear UV Stabilized Polycarbonate
Body Colour	Powder coated Grey or Black
Protection Degree	IP55
Operating Temp	-15°C to + 60°C



www.twmtraffic.com
01606 596622

Unit 4, Oasis Business Park, Road One
Winsford Ind Est, Winsford, Cheshire CW7 3RY