

[ DATA SHEET ]

Product:	Dranos 3
	GSM-based call station for communication and data transfer
Segment:	Infrastructure Operators
Division:	Security Communication



## DRANOS 3 SAFETY EVERYWHERE

Communicating without limits of place or time. No need for fixed or other networks. The Dranos 3 call station makes communication and data transfer possible via GSM networks, allowing it to operate even in remote areas..

### Dranos 3 is virtually unlimited

Do you need to transmit emergency calls, data or control signals reliably to a central station? Do you need mobile emergency call and information stations that can be put into operation at short notice? Do you want to control and monitor decentralised systems in an environment without fixed network connections, or provide visitor information terminals or emergency call stations? These are just a few of the situations where Dranos 3 is the perfect solution! The call station is ideal, for example, wherever there is no landline connection or it would be prohibitively expensive to lay a cable:

- For emergency telephones on motorways, in parks, public areas, recreational facilities and remote regions.
- As provisional emergency telephones along motorway construction sites.
- As a checking-in terminal at building sites.
- As call stations for operating and monitoring entrance doors and gates.
- As mobile announcement and information terminals at trade fairs and exhibitions.
- As voice output modules for remote access to data via telephone (e.g. temperature, depth of snow etc.)
- GSM-R compatible

## WIRELESS, DEPENDABLE DATA TRANSMISSION

In the Dranos 3, communication and data transfer are routed via GSM. Just how reliable this wireless solution is, is shown by the following security features:

- GSM tri-band technology 900 / 1800 / 1900 for voice and data connections.
- Redundant message transmission via text message (SMS) if voice channel cannot be established.
- Integrated voice memory for local audio output of instructions, reassurance messages or general information.
- User-definable configuration of multiple numbers for each call key. LED for visual display of call status.
- A sabotage detection feature automatically triggers a call if an attempt is made to break open or dismantle the device.
- Status messages regularly report the status of the call station. The interval between messages is freely configurable.
- A periodic self-test of all main components quickly identifies possible malfunctions.
- With its solar-panel power supply and an intelligent power management system, the call station operates entirely autonomously.
- A robust, multi-functional casing with a high protection class guarantees simple installation and operation even under adverse conditions.

### System overview

Calls from Dranos 3 call stations are routed to the GSM network. Any analogue or ISDN telephone or GSM mobile phone can be used to receive the calls. On larger systems, however, it makes sense to use a central station. This offers additional functions such as visualisation and evaluation of incoming calls, regular monitoring of call stations, and centralised configuration of call stations.

### One for all

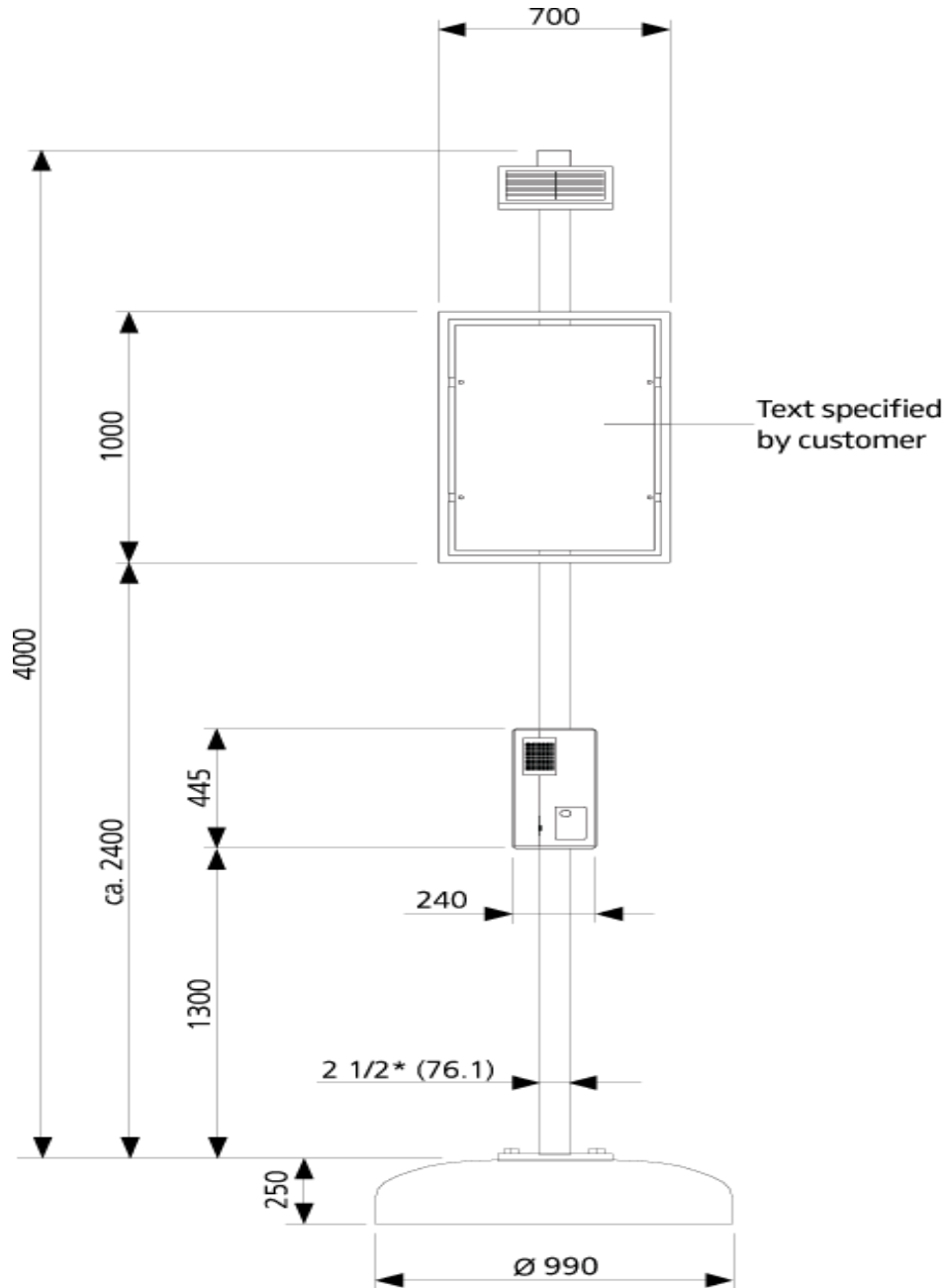
The following features make the Dranos 3 call station particularly attractive:

- Thanks to GSM technology, intelligent power management and an electricity supply via solar panel, the Dranos 3 call station is completely independent of fixed-line networks.
- With its versatile configuration options, Dranos 3 call station functions can be optimally tailored to customer requirements.
- A robust casing with a high protection class guarantees reliable operation even in a harsh environment.
- A comprehensive PC software package is available to configure, operate and monitor Dranos 3 call stations.
- Key parameters can be configured and modified by text message

Technical specifications		
Network	GSM network must be in place	
	GSMR	optional
	GMS 900	Class 4 / 2W
	GSM 1800/1900	Class 1 / 1W
	SMS	For redundant call level, monitoring and configuration
	GSM Data / GPRS	Optional*
	Dual SIM	Optional: 2 providers for the highest redundancy*
Front panel	Loudspeaker	Volume adjustable up to 100 dB / 0.3m
	Microphone	Configurable sensitivity
	Dialling keys	Standard 1 key. Optionally up to 4 illuminated keys, with up to 4 different call numbers each*
	Visual display	LED for call status display
Casing	Dimensions	240 x 445 x 101mm (WxHxD)
	Weight	3.3 kg
	MTBF	50'000h
	Material	Polyurethane / PUR
	Protection	IP 65
	Mounting	On wall, in niche or flush-mounted (screws from front or back)
Temperature range	Standard	-30 to +60°C (direct insolation)
Voice messages	Memory capacity	approx. 460 seconds
	Organisation	Any number of messages can be defined; output either individually or in combination
Power supply	Internal battery	Capacity 6V / 3Ah
	Autonomy	Up to several months in normal operation
	Battery charging	With solar panel or ext. DC source 8 to 45V DC, 1 mA to 1.5 A external
Antenna	Internal antenna	Integrated omni-directional antenna
	External antenna	SMA connection (optional*)
Configuration	Download of configuration, voice messages, firmware and to read device status	
	Cable	With USB interface, casing open
	Wireless	With SRD interface, range approx. 5m
Telecontrol	Data interface	USB, Ethernet (Video available as an option)
	Outputs	2 potential-free contacts, max. 50 V DC / 0.5 A
	Inputs	2 analogue 1-5 V DC or digital inputs
	G sensor	3D positional sensor (position receiver)
	Temperature measurement	from -30C to +65C
Standards/Specifications	ISO 9001/ISO 1400	SQS certificate
	EN 60950	Safety of information technology equipment
	EN 50082-1	EMV interference resistance
	CTR 19/CTR 20	ETSI GSM standards
Operation	Configuration	Via USB interface with casing open, or wirelessly with SRD link Individual parameters (call numbers, etc.) also via SMS
	SIM card	Standard mobile contract or prepaid card, PIN-protected

\* Optional features.

## Sample installation: Dranos 3 call station with mast and base



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### Ascom (Switzerland) Ltd.

Belpstrasse 37  
CH-3000 Berne 14  
T +41 31 999 13 65  
F +41 31 999 16 82  
securitycommunication@ascom.com  
www.ascom.com

### Ascom (Austria) Ges.m.b.H

Lemböckgasse 49  
1230 Wien  
T +43 1 811 77 0  
F +43 1 811 77 10  
info@ascom.at  
www.ascom.at

### Ascom Deutschland GmbH

Edisonstrasse 11 - 13  
60388 Frankfurt am Main  
T +49 6109 738 584  
F +49 6109 738 333  
info@ascom.de  
www.ascom.de

### Ascom (Finland) Oy

Pakkalankuja 6  
FI-01510 Vantaa  
T +358 9 825 901  
F +358 9 825 902 79  
info@ascom.fi  
www.ascom.fi

### Ascom (CZ) s.r.o.

Zemské právo 1199/5  
CZ-10200 Praha 10  
T +420 267 219 512  
F +420 267 219 511  
info@ascom.cz  
www.ascom.cz