

I.SITE PLUS

SWISSPHONE



The self-reliant transmitter for local alarm systems

The I.SITE PLUS is a POCSAG transmitter for local, self-reliant alerting systems. It is equipped with an in-built backup battery including charging port. The backup battery ensures the possibility to send out alerts in the event of a power failure.

It is controlled via Ethernet LAN (RJ-45) or via the in-built push buttons releasing predefined messages. POCSAG-messages are prepared internally and sent via the transmission unit (1-25 W). Three local digital inputs are available. Messages at the digital inputs are either processed directly as POCSAG-messages or reported as additional status messages of the alarm server.

Multiple I.SITE PLUS can operate in parallel via LAN as long as the radio coverage areas do not overlap.

The Swissphone protocol for integrating the I.SITE PLUS into your solution is available to third-party suppliers.

Optionally, the I.SITE PLUS enables analog voice calls.

Key performance features

-))) Robust and cost-effective stand-alone application
-))) Networking thanks to LAN port
-))) Uninterruptable operation mode
-))) Parallel operation of multiple I.SITE PLUS transmitters via LAN for asynchronous networks.
-))) Self-reliance by in-built push buttons for releasing predefined alerts.
-))) ESPA 4.4.4 input protocol
-))) Analog Voice + Relay

I.SITE PLUS consists of the following four function blocks:

- AC/DC converter
- Backup battery
- Transmission unit
- Controller board

The following product combinations are possible

- I.SITE PLUS in stand-alone operation
- Analog Voice + Relay

I.SITE PLUS

	Performance features	Technical data
Transmission unit (TX)	Frequency bands (each pre-programmed with up to 35 channels)	VHF 2 m Band: 136-174 MHz
	Transmitting power	1 to 25 W (1 W steps)
	Channel separation	12.5 / 20 / 25 kHz
	POCSAG Transmission rate	512, 1200, 2400 baud
	Antenna port	N-Type (female) 50Ω port for external antenna
	Duty cycle	33% at 25W (@ 55°C)
Interface	LAN	1x RJ-45 (100 Mbps)
	Call log	TAP, ESPA 4.4.4
	Control	PC software or through third-party providers
	Input contacts	Three contact inputs (E1, E2, E3 (open/close)) for triggering messages (edge triggered, potential-free 5 - 15 V, debounced to 100 ms)
	Push buttons	Three highly robust, luminous push-buttons. Stainless steel, > 1 Mio. cycles of operation
Fault status reports	FS01 - FS05	Extensive fault status reports
General	Operating temperature range	-20 °C ... +55 °C
	Input voltage (AC)	90-264 VAC
	Backup battery	12 V / 2,3 Ah (charging port + battery low display + deep discharge protection)
	Analog Voice	DTMF protocol, voice priority over POCSAG messages, 12 VDC, Tx Analog
	Relays	30 VDC/1A, 3 potential-free outputs, 10s switching hysteresis
	Power consumption (max., an 230 V)	5 W (stand-by), 75 W (sending at max. 25 W)
	Protection class	IP65
	Dimensions (H x B x T)	400 x 210 x 120 mm
Weight	7.5 kg (without optional backup battery)	
Conformity	Compliance with EU regulations:	Safety EN 60950-1
	Radio Equipment Directive (RED), 2014/53/EU	EMC ETSI EN 301489-1 ETSI EN 301489-2
	RoHS Recast Directive, 2011/65/EU	Radio ETSI EN 300113
	WEEE Directive, 2012/19/EU	RoHS EN 50581: 2012
FCC	FCC approval	
Options	Analog Voice + Relay	Article number 0722170

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