I.SITE III

The transmitter for local alarm systems

I.SITE III is a POCSAG-transmitter for local alarm systems. It has an optional backup battery including charging port and digital inputs. The backup battery ensures the possibility to send out alerts in the event of a power failure. Analog voice calls are also available as an option.

It is controlled via Ethernet LAN (RJ-45). POCSAG-messages are prepared internally and sent via the transmission unit (1-25 W). Three local digital inputs and a service contact are available as options. These are either processed directly as POCSAG-messages and/or reported as additional status messages of the alarm server (I.SEARCH).

Multiple I.SITE III can operate in parallel via LAN as long as the radio coverage areas do not overlap. POCSAG-messages are sent asynchronously. For synchronous transmission concepts the I.SITE II should be used.

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

Key performance features

))) Remote input contacts

))) Networking thanks to LAN port

))) Uninterruptable operation mode

))) Parallel operation of multiple I.SITE III transmitters via LAN for asynchronous networks (as long as radio coverage areas do not overlap).

))) ESPA 4.4.4 input protocol

))) Analog Voice + Relay

I.SITE III consists of the following four function blocks:
- AC/DC converter
- Backup battery
- Transmission unit
- Controller board

The following product combinations are possible
- I.SITE III in stand-alone operation
- I.SEARCH in combination with I.SITE II and/or I.SITE III
- Analog Voice + Relay

I.SITE Ⅲ

	Performance features	**Technical data**
Transmission unit (TX)	Frequency bands (each pre-programmed with up to 35 channels)	VHF 4 m Band 66-88 MHz VHF 2 m Band 136-174 MHz UHF 70 cm Band 400-470 MHz UHF Band 450-530 MHz (for USA and Canada)
	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 (optional)	Three contact inputs (E1, E2, E3 (open/close)) for triggering messages (edge triggered, potential-free 5 - 15 V, debounced to 100 ms)
	Service contact (optional)	One door contact (open/close) for triggering messages during servicing
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 (optional)	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: Radio Equipment Diretctive (RED), 2014/53/EU RoHS Recast Directive, 2011/65/EU WEEE Directive, 2012/19/EU	Safety EN 60950-1 EMC ETSI EN 301489-1 ETSI EN 301489-2 Radio ETSI EN 300113 RoHS EN 50581: 2012
	FCC	FCC approval
Options	Backup battery	Art. No. 0722128
	Input contacts	Art. No. 0722129
	Service contact	Art. No. 0722130
	Analog Voice + Relay	Art. No. 0722170

Subject to change without notice

SWISSPHONE