

# ITC300 Transmitter



## The transmitter for local alarm systems

ITC300 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.

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.

Multiple ITC300 can operate in parallel via LAN as long as the radio coverage areas do not overlap. POCSAG-messages are sent asynchronously.

The Swissphone protocol for integrating the ITC300 into your solution is available to third-party suppliers.

### Key performance features

- ))) Cost-effective stand-alone application
- ))) Networking thanks to LAN port
- ))) Uninterruptable operation mode
- ))) Parallel operation of multiple ITC300 transmitters via LAN for asynchronous networks (as long as radio coverage areas do not overlap).
- ))) ESPA 4.4.4 input protocol

### ITC300 consists of the following four function blocks:

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

### The following product combinations are possible:

- ITC300 in stand-alone operation
- I.SEARCH in combination with ITC300

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|                               | Performance features   | Technical data   |
|-------------------------------|--|--|
| <b>Transmission unit (TX)</b> | Frequency bands<br>(each pre-programmed with up to 35 channels)  | VHF 4 m Band 66-88 MHz<br>VHF 2 m Band 136-174 MHz<br>UHF 70 cm Band 400-470 MHz<br>UHF Band 450-530 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<br>port for external antenna   |
|                               | Duty cycle   | 33% at 25 W (@ 131 °F / 55 °C)   |
| <b>Interface</b>              | 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<br>(edge triggered, potential-free 5 - 15 V, debounced to 100 ms) |
|                               | Service contact (optional)   | One door contact (open/close) for triggering messages during servicing   |
| <b>Fault status reports</b>   | FS01 - FS05  | Extensive fault status reports   |
| <b>General</b>                | Operating temperature range  | -4 °F to +131 °F / -20 °C to +55 °C  |
|                               | Input voltage (AC)   | 90-264 VAC   |
|                               | Backup battery (optional)  | 12 V / 2,3 Ah (charging port + battery low display + deep discharge protection)  |
|                               | 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)   | 15.8 x 8.3 x 4.7 inches / 400 x 210 x 120 mm   |
| Weight                        | 264.75 oz. / 7.5 kg (without optional backup battery)  |  |
| <b>Conformity</b>             | Compliance with EU regulations:  | Safety EN 60950-1<br>EMC ETSI EN 301489-1<br>ETSI EN 301489-2<br>Radio ETSI EN 300113<br>RoHS EN 50581: 2012                             |
|                               | Radio Equipment Directive (RED), 2014/53/EU<br>RoHS Recast Directive, 2011/65/EU<br>WEEE Directive, 2012/19/EU |  |
|                               | FCC  | FCC approval   |
|                               |  |  |
| <b>Options</b>                | Backup battery   | Art. No. 0722128   |
|                               | Input contacts   | Art. No. 0722129   |
|                               | Service contact  | Art. No. 0722130   |

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