

**45TRC100****CONVENTIONAL WIRELESS TRANSLATOR**

Wireless expansion module designed for operation with Comelit ERACLE series conventional fire alarm panels or with the addressable module for conventional zone art. 41ISC000, and for connections with third-party conventional panels. The module is powered by an external power supply unit and monitored using proprietary protocol. Two-way radio communication with connected wireless devices. Up to 32 devices can be enrolled on a specific module to form a linear network. Up to 5 x 45TRC100 expansion modules can be connected to a single conventional panel/system. Information on the status of enrolled wireless devices is shown on its LCD display. Communication distance between expander and devices (in open space) over 1000 m. Equipped with dipole omnidirectional antenna with SMA connector which guarantees broad coverage and stable communication with enrolled wireless devices. 45TRC100 is housed in a plastic container suitable for wall mounting. It has 6 different frequency channel pairings and AFA (automatic frequency adaptation) option for automatically searching for the best radio channel for each situation. Power supply: 24 Vdc $\pm$ 10%. Maximum absorption (with LCD active) 19 mA @ 24 Vdc and (with LCD off) 15 mA @ 24 Vdc. Operating temperature -10°C / +55°C. Dimensions (LxHxD) 191x125x60 mm. Material: ABS. IP40 protection rating. Approved to EN54-18 and EN 54-25.



45TRC100

CONVENTIONAL WIRELESS TRANSLATOR

MAIN FEATURES	
Model	Conventional wireless expander
Communication protocol	Comelit Wireless
Compatible control panels	ERACLE Comelit series, 41CPE112 with 41ISC000 module, Third-party conventional control panels
Max. expanders for panel / system	5
Max. wireless devices for expander	32
Frequency band (n°)	866 ÷ 870
Number of frequency channels	6 pair channels
Two-way radio communication	Yes
Modulation	GFSK
RF range (meters open field) (m)	1000
Display type	LCD, dot matrix 16x2
Event messages for wireless devices status	Low battery, tamper, lost device, signal strength
Multi-language display menu	Yes
EN regulations	EN54-18, EN54-25

HARDWARE SPECIFICATIONS	
IP protection rating	IP40
Height (mm)	125
Width (mm)	191
Depth (mm)	60
Type of finishing materials	ABS
Product color	White RAL9016, Grey, RAL 7045
Product weight (g)	200
Operating temperature (°C)	-10 ÷ 55
Cross-section for terminals (mm)	0.5 ÷ 2.5

ELECTRICAL SPECIFICATIONS



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Supply voltage	24VDC
Max. consumption LCD display ON (mA)	17
Max. consumption LCD display OFF (mA)	14

GENERAL DATA	
Wireless technology	Bidirectional - BeaconPlus
Antenna type	Dipole, omni-directional
Antenna connection	SMA port
Protezione antiapertura	Tamper