

TIG 05R – PROFI PROGRAMMABLE LAUNCHING DEVICE FOR FIREWORKS

- 24 individual shots, minimal time between each shot = 0,05 sec.
- Selection of Shot Mode Regime right on the panel - Program, Manual, Sequence
- Initiation by radio signal, electric impulse or manually - directly from the panel
- programming on the panel or from PC
- Guaranty and Warranty Customer Service



BASIC TECHNICAL DATA – FUNCTIONS

The launching module is placed in plastic sealed case and it is sufficiently protected from stronger strokes and shakes. Basic version of the module is supplied without storage battery and radio manoeuvring. If required, internal storage battery 12V/2, 2Ah, external ACU TIG 07 – 12/7,2Ah and switching unit can be added. This switching unit automatically turns off the internal storage battery at the very moment of connecting the external storage battery. For charging the storage battery, we recommend use the recharging device 12V/500mA.

There are controls for setting up the functions and firing placed on the panel. There are 24 pieces of connecting points – repro-connectors for firing, which are used for firing the electric primers. It is possible to connect up to 4 electric primers to each point. These electric primers are lined to a set, number of module firing shall be then multiplied to $4 \times 24 = 96$ primers. Each functions can be manoeuvred directly from the panel, distantly by input electric signal from other equipment or by radio demand from remount control TIG 05HRC or TIG 05CP.

Firing is possible in several regimes: Program, Manual and Sequence. In the regime Sequence, there is a function for measuring the connecting presence of the electric primers

At the back side of the case there are screw connectors for connecting external storage battery and a BNC panel connector for connecting the antenna cable. External antenna is magnetic and is usually placed on a three-point stand. Recommended radius of radio signal is max. 1000m in an open area.

DRIVERS AND ELEMENTS OF THE PANEL

Display:	Time of Shot, Timer (max. 99:59:50)
Button Enter	for time confirmation - min /sec/ten-thousands of sec.
Button + a -	selects the Numeral Clock State
Button Select +/-	Shooting Selection, Location of Shot Clock State
24 diodes	Signalization of Pre-programmed Shot
	Signalization of Connected Shots – measurement
ACU control pilot light	Red Light signalizes insufficient capacity of ACU
ext. ACC connector	for connecting the External Storage Battery, charging
POWER	main switch
START	button for Manual Activation of the Shot
PC connector	for operating from PC
Mode selector	Program, Manual, Sequence
INPUT	Connector for manoeuvring the Input Electric Pulse
Radio	Switch for manoeuvring by radio signal
Exit points	Repro-connect. for connect. the electric blasting cable
Screw connectors	for connecting the ACU ext.
BNC connector	for connecting the Antenna Coaxial Cable NC

SPECIFICATION OF TIG 05 EQUIPMENT

Storage battery	Internal ACU 12 V/2,1Ah, External Storage Battery TIG 07 ACU 12V/7,2Ah	
Size of the firing power	12 V/2,5A/150ms, Input Signal for Activation of Panel TIG 05 = min. 8V/50ms	
Total number of shots	1 to 24, individually, arbitrary in a group or together	
Max. number of el. primers in series	4, Total number $24 \times 4 = 96$ shots	
Minimal time between shots	0,05s	
Service criteria	Temperature: - 25 to 50 °C / Relative humidity: max. 85%	
Bus	Two lined Cu 0,5 mm	
Max. reach for operating by radio signal	max. 1000m in an open area without distraction	
Way of Firing	Manually or distantly by electric impulse or by radio signal	
	Synchronized firing with music background from CD medium	
Basic functions	Storage Battery Capacity Control	
	Display with time data – from 00.00.00 to 99:59:99/min./sec/ten-thousand sec	
	Measurement of Connected El. Primers Presence – Red Light	
	Signalization of further shot, Response Control Firing by diode extinction	
Firing regime	Program	Automatic firing of pre-selected shots by time axis
	Manual	Manual firing of pre-selected shots by time axis
	Sequence	Sequential automat. firing from 1 to 24 by pre- selected time interval
		Sequential manual firing from 1 to 24z

Exclusive Agent

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