



TECHNICAL SPECIFICATION

TIMING INSTALLATIONS - DETERMINE THE LEVEL OF NOISE

WHAT IS NOISE ?

IT IS A SET OF DISTURBANCES OF ALL KIND AND OF ALL ORIGIN BEING SUPERPOSED ON A SIGNAL : IT IS INTERFERENCES

Indication noise level

Every 5 seconds, the decoder sends to the computer the status level of perturbation and also each time the transponders pass on the loop. How to know this value?

On ELITE software
For STA / BOX loops

334	100	1	STA	RICANT Bert	01:43:45.244	2:26.981	39	1
335	29	1	STA	BLOEM Albert	01:44:03.217	2:53.384	34	1
336	52	1	STA	UEBERECKEN	01:44:15.020	2:46.290	35	1
337	72	1	STA	MAES Charlotte	01:44:16.260	2:56.790	34	1
338	99	1	STA	DERDAELE Dy...	01:44:16.769	4:35.389	38	9
339	15	1	STA	BAILLY Stépha...	01:44:24.554	2:50.295	35	1
340	28	1	STA	VAN GLABEKE	01:44:33.629	2:38.592	34	1
341	777	1	BOX	(17733) ???	01:44:46.031	Pin	40	1

Chronomètres : 18 - 18 Clients connectés : 9

On ELITE software
For others loops

100	1	STA	BARTHÉLEMY Fabien	01:15:43.380	1:58.974	45	141.9	19111	100	24	15:19:00	
100	24	1	STA	SIMONEAU Valentin	01:15:47.637	1:58.429	45	140.7	19141	100	24	15:19:00
100	1	1	STA	PERONNET David	01:15:50.887	1:59.396	45	140.0	19021	100	24	15:19:00
100	1	1	STA	IGORIN Florent	01:15:52.111	1:57.960	45	137.6	19001	100	24	15:19:00
100	20	1	STA	GRANGUIE Philippe	01:16:01.302	1:59.200	44	141.0	19451	100	24	15:19:00
100	71	1	STA	DESORMONT Claude	01:16:21.084	1:56.741	45	141.7	19211	100	24	15:19:00
100	1	1	STA	HALLUYER David	01:16:32.006	1:56.470	45	142.1	19101	100	24	15:19:00
100	8	1	STA	DUJOURNE Sté...	01:16:48.110	1:57.578	45	137.8	19091	100	24	15:19:00
100	4	1	STA	CARVILLE Sév...	01:16:58.294	1:56.110	46	138.7	19169	100	24	15:19:00
100	5	1	STA	HARON Christophe	01:17:05.638	1:56.787	45	141.6	19201	100	24	15:19:00
100	14	1	STA	LOUÏER David	01:17:14.279	1:59.328	45	140.8	19131	100	24	15:19:00
100	16	1	STA	BARTHÉLEMY Fabien	01:17:18.817	1:58.037	46	140.0	19111	100	24	15:19:00
100	1	1	STA	PERONNET Valentin	01:17:22.748	1:59.212	45	141.0	19141	100	24	15:19:00
100	1	1	STA	PERONNET David	01:17:26.298	1:58.411	46	140.7	19021	100	24	15:19:00
100	19	1	STA	GRANGUIE Philippe	01:17:29.952	1:58.941	46	138.9	19031	100	24	15:19:00
100	20	1	STA	GRANGUIE Philippe	01:17:37.316	1:59.933	45	139.9	19451	100	24	15:19:00
100	7	1	STA	DESORMONT Claude	01:17:59.809	1:56.720	46	141.7	19211	100	24	15:19:00

Information available at each transponder frame



Interpreting the noise level

Noise : 0 - 29
Perfect level
transponder
detection

Noise : 30 - 39
Average level of
transponder
detection

Noise : 40 and more
High risk to
NOT DETECT
the transponders

High noise level : What to do?

- If the noise level is higher than 40, it is necessary to check the timing system:
- Check the connection cables, defective connectors (bad manufacture or deterioration): this can be a source of noise.
- Check the loop (cable, resistance, loop box, coax, ...)
- Check all the electrical devices on the same power network as the timekeeping room (one by one, disconnect all devices until you find the one who distrupts the system)