Komunikācijas interfeiss IF-Paradox

Instalācijas pamācība

Коммуникационный интерфейс IF-Paradox

Руководство по инсталляции

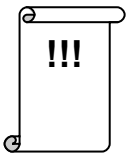
Vispārīga informācija

Ziņojumu formātu salāgotājs **IF-Paradox** ir paredzēts, lai nodrošinātu objekta ierīces **RT4-5se** un apsardzes paneļu **PARADOX ESPRIT, sērija 7x8** (v3.00 un augstāk) un **PARADOX SPECTRA (v 1.00 - 1.23)** kopdarbu.

Ziņojumu formātu salāgotājam ir:

- 2 kontaktligzdas:
  - barošanas sprieguma pieslēgšanai (tas tiek padota no apsardzes paneļa);
  - salāgotāja pieslēgšanai pie raidītāja **RT4-5se**
- Savienojošais kabelis
- Barošanas sprieguma indikators
- Tiltslēgs **PS** (paneļa izvēles džamperis)
  - ar uzstādīto tiltslēgu **PS – PARADOX ESPRIT, sērija 7x8**
  - bez tiltslēga **PS – PARADOX SPECTRA**
- Tiltslēgi plates numura uzstādīšanai (džamperi **J1**, **J2**)

Tiltslēgs J1	Tiltslēgs J2	Plates numurs
+	+	0
-	+	1
+	-	2
-	-	3



Tiltslēgi jāuzstāda pirms barošanas ieslēgšanas.
<u>Kategoriski nerekomendēts</u> mainīt džamperu stāvokli pēc barošanas ieslēgšanas!

Formātu salāgotāju paralēla izmantošana:

a) līdz 8 salāgotājiem: 4 ierīces – darbam ar paneļiem **PARADOX ESPRIT, sērija 7x8,** un 4 ierīces – darbam ar paneļiem **PARADOX SPECTRA**;

b) kopā ar citām ierīcēm – zonu paplašinātāju, komunikācijas interfeisu u.t.t., kas tiek pieslēgti pie objekta ierīces **RT4-5se**; lai nodrošinātu to kvalitatīvu kopdarbu, visu ierīcei RT4-5se pieslēgto ierīču izejas **BUSY** jāsavieno savā starpā.

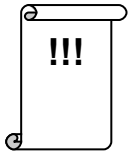
Общие сведения

Согласователь форматов сообщений предназначен для обеспечения совместного использования объектового устройства **RT4-5se** и охранных панелей **PARADOX ESPRIT серии 7x8 (V 3.00 и выше)** и **PARADOX SPECTRA (V 1.00 - 1.23)**.

Согласователь форматов сообщений содержит:

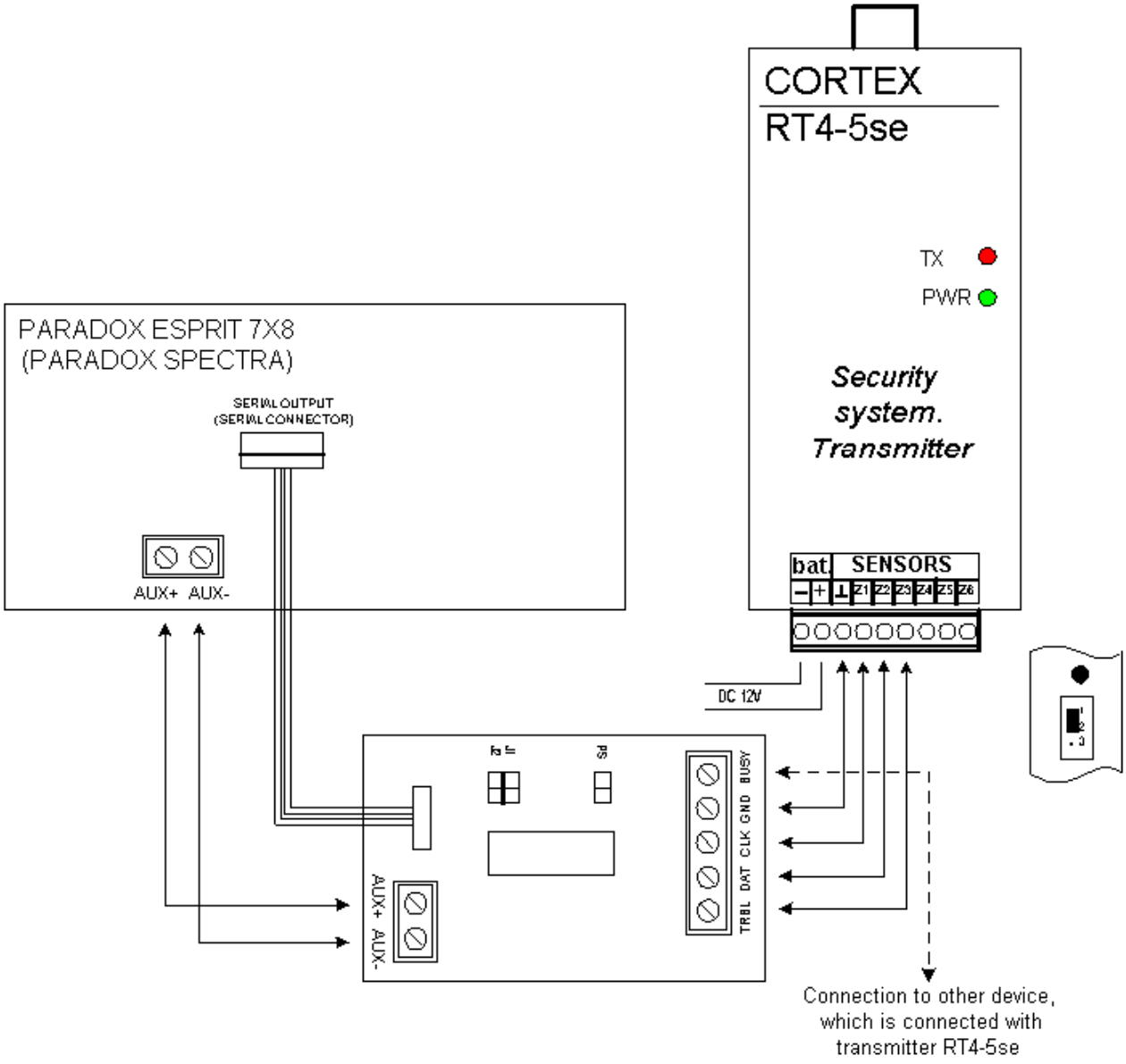
- 2 контактные колодки
  - колодка для подключения питания к согласователю форматов сообщений (питание осуществляется от охранной панели)
  - колодка для подключения к передатчику **RT4-5se**
- Соединительный кабель
- Индикатор питания
- Джампер **PS** (джампер выбора панели)
  - с установленным джампером **PS – PARADOX ESPRIT серии 7x8**
  - без джампера **PS – PARADOX SPECTRA**
- Джамперы для установки номера платы (джамперы **J1**, **J2**)

Джампер J1	Джампер J2	Номер платы
+	+	0
-	+	1
+	-	2
-	-	3



Установку джамперов следует осуществлять до включения питания. После включения питания категорически не рекомендуется менять положения джамперов.

Существует возможность параллельного использования 8 согласователей форматов сообщений (4 согласователя для работы с панелями **PARADOX ESPRIT серии 7x8** и 4 согласователя для работы с панелями **PARADOX SPECTRA**), а также возможность параллельного использования согласователей форматов сообщений с другими устройствами (зонным расширителем, коммуникационным интерфейсом и др.), подключаемыми к объектовому устройству **RT4-5se**. Для обеспечения их совместной качественной работы требуется соединить между собой выводы **BUSY** всех устройств, подключаемых к объектовому устройству **RT4-5se.**


CORTEX
RT4-5se
TX
PWR
Security
system.
Transmitter
bat
SENSORS
Z1 Z2 Z3 Z4 Z5 Z6
PARADOX ESPRIT 7X8
(PARADOX SPECTRA)
SERIAL OUTPUT
(SERIAL CONNECTOR)
AUX+ AUX-
DC 12V
TRBL DAT CLK GND BUSY
AUX+ AUX-
Connection to other device,
which is connected with
transmitter RT4-5se

PARADOX ESPRIT 7X8 event code list

Number (HEX)	Group of events	Number (HEX)	EVENT (Assigned at each group)
4A	NON-REPORTABLE EVENT	00	Midnight
		01	TLM trouble
		02	Fail to communicate
		03	Alarm reset
5B	DISARM SYSTEM (No partition)	00	Master
4B	DISARM SYSTEM A	01	User 1
7B	DISARM SYSTEM B	02	User 2
		03	User 3
58	ARM SYSTEM (No partition)	04	User 4
48	ARM SYSTEM A	05	User 5
78	ARM SYSTEM B	06	User 6
		07	User 7
		08	User 8
		09	User 9
		0A	User 10
		0B	User 11
		0C	User 12
		0D	User 13
		0E	User 14
		0F	User 15
		10	User 16
		11	User 17
		12	User 18
		13	User 19
		14	User 20
		15	User 21
		16	User 22
		17	User 23
		18	User 24
		19	User 25
		1A	User 26
		1B	User 27
		1C	User 28
		1D	User 29
		1E	User 30
		1F	User 31
		20	User 32
		21	User 33
		22	User 34
		23	User 35
		24	User 36
		25	User 37
		26	User 38
		27	User 39
		28	User 40
		29	User 41
		2A	User 42
		2B	User 43
		2C	User 44
		2D	User 45
		2E	User 46
		2F	User 47
		30	User 48
		FF	ESPLOAD

Number (HEX)	Group of events	Number (HEX)	EVENT (Assigned at each zone)
59 49 79 5E 4E 7E 5F 4F 7F 5D 4D 7D	ALARM ZONE (No partition) ALARM ZONE (System A) ALARM ZONE (System B) ALARM RESTORE (No partition) ALARM RESTORE (System A) ALARM RESTORE (System B) ZONE BYPASS (No partition) ZONE BYPASS (System A) ZONE BYPASS (System B) TAMPER ZONE (No partition) TAMPER ZONE (System A) TAMPER ZONE (System B)	01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18	Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 Zone 6 Zone 7 Zone 8 Zone 9 Zone 10 Zone 11 Zone 12 Zone 13 Zone 14 Zone 15 Zone 16 Zone 17 Zone 18 Zone 19 Zone 20 Zone 21 Zone 22 Zone 23 Zone 24
53	TROUBLE	00 01 02 03 04 05	Auxiliary Bell Battery Power supply Fire loop Timer loss
50	TROUBLE RESTORE	00 01 02 03 04 05 06 07	Auxiliary Bell Battery Power supply Fire loop Timer prog. General tamper TLM
57	PROGRAMMING IN	00 01	Espload login Installer on site
55	SPECIAL	00 01 02 03 04 05 06 07 08	Test report Panic 1 Panic 2 Panic 3 Late to lose No movement Partial arming Recent close Duress

PARADOX SPECTRA event code list

Number (HEX)	Event Group	Number (HEX)	Sub-Group
05	Non-Reportable Events	00	Telephone Line Trouble (Partition 1 only)
		01	[PG] or [FNC1] key pressed (Partition 1 only)
		02	Instant Arming
		03	Stay Arming
		04	Force Arming
		05	Fast Exit (Force & Regular only)
		06	PC Fail to Communicate (Partition 1 only)
		07	Midnight (Partition 1 only)
		08	Ground start (Partition 1 only)
06	Arm/Disarm with Remote Control	01-08	Remote Controls 1 to 8
07	Button Pressed1 on Remote Note1	01-08	Remote Controls 1 to 8
08	Button Pressed2 on Remote Note2	01-08	Remote Controls 1 to 8
09	Button Pressed3 on Remote Note3	01-08	Remote Controls 1 to 8
0A	Bypass Programming	01-30	User Code Numbers 001 to 048
0B	User Activated PGM	01-30	User Code Numbers 001 to 048
0C	Zone with Delay Transmission Option Enabled is Breached	01-10	Zones 1 to 16
0D	Arm with User Code	01-30	User Code Numbers 001 to 048
0E	Special Arm	00	Auto Arming (timed/no movement)
		01	Late to Close (auto arming failed)
		02	No Movement Auto Arming
		03	Partial Arming (Stay, Force, Instant, Bypass)
		04	One Touch Arming
		05	Arm with WinLoad Software
		06	Arm with Keyswitch
0F	Disarm with User Code	01-30	User Code Numbers 001 to 048
10	Disarm After Alarm w/User Code	01-30	User Code Numbers 001 to 048
11	Cancel Alarm with User Code	01-30	User Code Numbers 001 to 048
12	Special Disarm	00	Cancel Auto Arm (timed/no movement)
		01	Disarm with WinLoad Software
		02	Disarm with Keyswitch
		03	Reserved for Future Use
		04	Disarm after alarm with WinLoad
		05	Disarm after alarm with Keyswitch
		06	Cancel Alarm with WinLoad Software
		07	Cancel Alarm with Keyswitch
13	Zone Bypassed on Arming	01-10	Zones 1 to 16
14	Zone in Alarm	01-10	Zones 1 to 16
15	Fire Alarm	03	Zone 3
16	Zone Alarm Restore	01-10	Zones 1 to 16
17	Fire Alarm Restore	03	Zone 3

Number	Event Group	Number	Sub-Group

(HEX)		(HEX)	
18	Special Alarm	00	Emergency Panic
		01	Auxiliary Panic
		02	Fire Panic
		03	Recent Closing
		04	Auto Zone Shutdown
		05	Duress Alarm
19	Auto Zone Shutdown	01-10	Zones 1 to 16
1A	Zone Tamper	01-10	Zones 1 to 16
1B	Zone Tamper Restore	01-10	Zones 1 to 16
1C	System Trouble	01	AC Loss: only after Power Failure Delay has elapsed (Partition 1 only)
		02	Battery Failure (Partition 1 only)
		03	Auxiliary current overload (Partition 1 only)
		04	Bell current overload (Partition 1 only)
		05	Bell disconnected (Partition 1 only)
		06	Timer Loss (Partition 1 only)
		07	Fire Loop Trouble (Partition 1 only)
		08	Wireless Transmitter Low Battery (Partition 1 only)
		09	Module Fault (Partition 1 only)
		0A	Printer Fault (Partition 1 only)
		0B	Fail to Communicate (Partition 1 only)
1D	System Trouble Restore	00	TLM restore (Partition 1 only)
		01	AC Loss restore (Partition 1 only)
		02	Battery Failure restore (Partition 1 only)
		03	Auxiliary current overload restore (Partition 1 only)
		04	Bell current overload restore (Partition 1 only)
		05	Bell disconnected restore (Partition 1 only)
		06	Timer programmed (Partition 1 only)
		07	Fire Loop Trouble restore (Partition 1 only)
		08	Wireless Trans. Low Battery restore (Partition 1 only)
		09	Module Fault restore (Partition 1 only)
		0A	Printer Fault restore (Partition 1 only)
		0B	Fail to Communicate restore (Partition 1 only)
1E	Special Reporting	00	System Power Up (Partition 1 only)
		01	Test Report (Partition 1 only)
		02	WinLoad Software Access (Partition 1 only)
		03	WinLoad Software Access finish (Partition 1 only)
		04	Installer enters programming mode (Partition 1 only)
		05	Installer exits programming mode (Partition 1 only)
1F	Wireless Transmitter Supervision Loss	01-10	Zones 1 to 16
20	Wireless Transmitter Supervision Loss Restore	01-10	Zones 1 to 16

Note1: This event will be generated when a remote control's button is set to activate a PGM (Button Option B).

Note2: This event will be generated when a remote control's button is set to activate a PGM (Button Option C).

Note3: This event will be generated when a remote control's button is set to activate a PGM (Button Option D).