Ksenia
security innovation

lares 4.0
&
CRESTRON

Manuale di integrazione
Driver Crestron - lares 4.0

www.kseniasecurity.com

INTRODUCTION

By installing the integration driver available on the Crestron market place at the address *http://applicationmarket.crestron.com/ksenia-security-lares-v4-0/* you have the possibility to have the lares 4.0 system integrated with Crestron, in such a way you can manage everything from a single system.

GENERAL INFORMATION

1. The status information of the lares 4.0 control panel available for integration on Crestron are:

    - Status of zones (sensors)
    - Status of the outputs
    - Partition status
    - Control panel status (faults, GSM network, etc.)

2. From the Crestron interface, the following control panel parameters can be managed:

    - bypass / unbypass of zones
    - Arming / disarming of partitions
    - Activation of scenarios.

VARIABLES

The details of the variables that can be configured on Crestron can be found in the following tables.

CONTACT SUPPORT	
Company name	Ksenia Security srl
SUPPORT CONTACT	Claudio Laneve
EMAIL ADDRESS	helpdesk@kseniasecurity.com
PHONE	+39 0735 751646
ADDRESS	SP Valtesino 44, 63065 Ripatransone (AP) – Italy
NOTES	Module for control Ksenia lares 4.0 IoT platform for Security and BMS. For license request send processor serial and mac address to helpdesk@kseniasecurity.com Please do not disable the TLS configuration on the lares 4.0 General Option in order to let the driver works properly.

GENERAL INFORMATIONS	
SIMPLWINDOWS NAME	KSI14X00XX-X00.umc
CATEGORY	Ksenia
VERSION	1.0
GENERAL NOTES	
CRESTRON HARDWARE REQUIRED	3-Series with Ethernet card installed
SETUP OF CRESTRON HARDWARE	Connection: WebSocket – ONLY FOR 3 SERIES PROCESSOR
VENDOR FIRMWARE	(Very important to include this for device modules)
VENDOR SETUP	DIN-AP3 connected to lares 4.0 with Cat5 cable through ethernet switch
CABLE DIAGRAM	Use standard Cat 5 ethernet cable

CONTROL		
Signal/Function Name	**D,S,A**	**Digital, Serial, Analog signal property definition**
License$	**S**	Serial number for enable this module
Mac_Address$	**S**	Mac address of Ethernet card of lares
User_id$	**S**	User id
User_Pin$	**S**	User password
btn_Connect	**D**	Pulse to open connection to lares
btn_Disconnect	**D**	Pulse to close the connection with lares
btn_Call_Scenario	**D**	Call a scene stored on lares
ai_Scene_Number	**A**	Number of scenes to call [from 1 to 512]
btn_Partition_Arm_Delay[X]	**D**	Arm partition with delay time settings set on lares
btn_Partition_Arm_Istant[X]	**D**	Instant arm of partition
btn_Partition_Disarm[X]	**D**	Instant disarm of partition
btn_ByPass_Input_Tg[X]	**D**	Toggle state of Zone BYPASS
btn_Set_Output_On[X]	**D**	Set output X to on
btn_Set_Output_Off[X]	**D**	Set output X to off

FEEDBACK		
Signal/Function Name	**D,S,A**	**Digital, Serial, Analog signal property definition**
fb_Invalid_License_Installed	**D**	Indicates the system is initialize driver
fb_Login_is_Ok	**D**	Report On status of device
ao_Internal_Temperature	**A**	Report Off status of device
ao_External_Temperature	**A**	Indicates the channel X is report Over temperature Fault
fb_Program_Session_is_Opened	**D**	Indicates the channel X SOA thermal is active
Message$	**D**	Indicates the channel X output is clip state
ao_Mobile_Signal_Level	**A**	Report signal level of mobile carrier
MobileCarrier$	**S**	Report name of mobile carrier and connection type(Hedge, 3g,4g ecc..)
MobileCreditAvaliable$	**S**	Report credit of the sim (in local money format)
Tamper$	**S**	Report generic tamper error
Fault$	**S**	Report generic fault problem

FEEDBACK		
Signal/Function Name	D,S,A	Digital, Serial, Analog signal property definition
Login$	**S**	Report login information or problem
fb_Command_is_Ok	**D**	Command are accepted by the system
fb_System_Tamper	**D**	Reports system tamper
fb_Battery_Fail	**D**	Report battery fail error
fb_Battery_Low_Level	**D**	Report low level battery
fb_Battery_Charger_Fail	**D**	Report battery charger is fault
fb_Fuse_Fault	**D**	Report a fuse fault
fb_Power_Fail	**D**	Report a power fail of the system
fb_Low_Power_Fail	**D**	Report a low power supply
fb_Tamper_Bus_Peripheral	**D**	Report a tamper alarm of bus peripheral
fb_Tamper_Bus_Wireless	**D**	Report a tamper alarm of wireless peripheral
fb_Tamper_Bus_Wireless	**D**	Report a tamper alarm of wireless peripheral
fb_Jamming_868_Wireless	**D**	Report a jammed 868 frequency
fb_Lost_Bus_Peripheral	**D**	Report lost bus peripheral
fb_Lost_Wireless_Peripheral	**D**	Report lost wireless peripheral
fb_PSTN_Link_is_Ok	**D**	PSTN analogic line is ok
fb_PSTN_Line_Ko	**D**	PSTN analogic line is KO (only if PSTN line was present)
fb_Eht_Remote_Ko	**D**	Report if system is not able to connect to the cloud (no internet)
fb_GSM_Line_Ko	**D**	GSM Line KO. Only if GSM system is installed
fb_GSM_Credit_Ko	**D**	Report GSM credit is 0
fb_GSM_Expired	**D**	Report GSM sim is expired
fb_Tamper	**D**	Report generic tamper alarm (Use Tamper$ for more information)
fb_Fault	**D**	Report generic faul. (Use Fault$ for more information)
fb_Connected	**D**	1: Crestron is connected to the system. 0: Disconnected
fb_Partition_is_Armed[X]	**D**	Report if partition X is armed
fb_Partition_Alarm_On[X]	**D**	Report if partition X on alarm
fb_Partition_Timer_Enter[X]	**D**	Pulsed for 1 seconds to report partition X time to enter is now active

FEEDBACK		
Signal/Function Name	**D,S,A**	**Digital, Serial, Analog signal property definition**
fb_Partition_Timer_Exit[X]	**D**	Pulsed for 1 seconds to report partition X time to leave is now active
fb_Partition_Tamper[X]	**D**	Report tamper on partition X
fb_Partition_Ready[X]	**D**	Report partition X is ready
fb_Input_Alarm[X]	**D**	Report input (or zone) X is on state alarm
fb_Input_Masquerade_Alarm[X]	**D**	Report if input X is masquerade
fb_Input_Tamper_Allarm[X]	**D**	Report input X tamper alarm are active
fb_Input_Error_Alarm[X]	**D**	Report input X error alarm are active
fb_Input_Bypass_is_On[X]	**D**	Report if input X is bypassed
fb_Output_is_On[X]	**D**	Report output X state

TESTING	
OPS USED FOR TESTING	1.501.0105
SIMPL WINDOWS USED FOR TESTING	4.08.15
DEVICE DB USED FOR TESTING	89.00.003.00
CRES DB USED FOR TESTING	65.00.006.00
SYMBOL LIBRARY USED FOR TESTING	1045
SAMPLE PROGRAM	Ksenia_lares_4.smw
REVISION HISTORY	1.0


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