NXG-KNX

KNX interface for Interlogix UltraSync

Connect your UltraSync alarm system and check the first live zone status in ETS.

01 Connect the gateway

With power off, mount on a DIN rail. Connect KNX at the top terminal. Connect 12-30 VDC at the bottom, respecting polarity, and connect Ethernet. For NXG-8 with an NXG-7002 4G card, connect the card ETH LAN to the gateway directly or through an isolated switch/VLAN. Connect the panel ETH WAN to the main network. Keep the card LAN DHCP server isolated.

02 Prepare the alarm system

For NetworXConnect, xGen or ZeroWire, create an alarm user named knx. Keep its PIN for ETS. In the alarm IP communication settings, enable UltraSync and Status Broadcast. Save the alarm settings.

03 Set the gateway network parameters

Open http://192.168.1.51 with a PC on the same subnet. Set a free fixed gateway IP address on the alarm network. Set Device IP to the alarm IP. Apply the settings, adjust the PC subnet if needed and reconnect at the new gateway address.

04 Configure and download in ETS

Add the NXG-KNX application and assign a free physical address. Enter the knx user PIN and its length. Set zone count, offset and Area mapping. Keep PG Control, PG Status and Virtual inputs at Not used. Link the required objects to group addresses, including Zone 1 Status, Module status and Firmware. Press P (red LED on), then perform a full ETS download.

05 Check the first live status

Network LED on: Ethernet link established. Connected LED on: alarm communication established. With the alarm disarmed, open and close the zone selected by the offset. Check Zone 1 Status in ETS Group Monitor. Read Module status: 0 means normal operation. If using area control, test arm/disarm in a controlled setting and confirm the panel state.

No connection or no updates?

Network off: check supply, cable and switch. Connected off: check Device IP, the knx user PIN, UltraSync, Status Broadcast and the NXG-7002 LAN arrangement. No KNX updates: check bus voltage, ETS download, zone offset and group addresses. Read Firmware to confirm that the gateway responds.

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