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The JA-80Q photo transmission module

The JA-80Q is a component of Jablotron's Oasis JA-80 system. It is designed for transmitting photographs between a wireless detector equipped with a camera and a communicator of type JA-80Y (GSM/GPRS) or JA-80V (LAN/TEL). The module is to be installed within the control panel housing.

1. Installation in the control panel

Important note: The hardware compatibility with the JA-80K control panel is from the hardware version KE10104. Please check the description on the control panel board. (The version number is situated close to the RESET jumper.)

If you purchased the module separately, it should first be installed in the Oasis control panel as follows:

1. The control panel power must be switched off (both mains and battery)
2. Plug the JA-80Q module (in the control panel) into the same digital bus connector that is designed (by default) for a JA-80Y connection.
3. For the parallel use of a JA-80Y communicator, if any, use the connector available on the JA-80Q to connect the communicator.

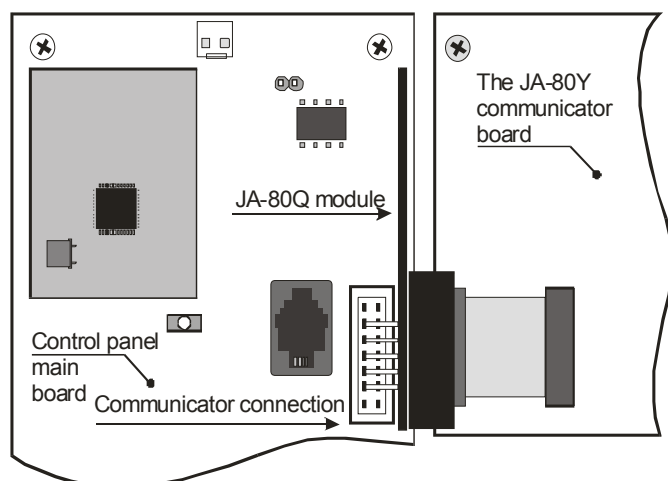


Fig. 2 Module wiring

2. Enrolling camera-equipped detectors

Installation shall only be undertaken by technicians holding a certificate issued by an authorized distributor.

1. Enter service mode on the control panel and press key 1 to enter enrollment mode (see the control panel manual).
2. Enroll the JA-84P detector to the control panel by connecting its battery (see the JA-84P manual).
3. Exit enrollment mode on the control panel.

Note: If the detector had been enrolled to the control panel before JA-80Q installation, you do not have to re-enroll it to the system. Instead, you only need to enter enrollment mode and exit it afterwards. This way the module will retrieve all the relevant information from the control panel.

3. Programming the communicator

Successful transmission to the web server running a picture viewer requires the server IP address to be programmed in the JA-80Y or JA-80V communicators. The URL address of Jablotron's picture viewer is . IP address is : 77.104.220.129 port 7070

1. Enter service mode on the control panel.
4. Program the required IP address together with the port used for data transfer using Comlink software (go to the ARC tab panel) or by keying in the sequence:

013 *8 xxx xxx xxx xxx yyyyy *0

where: **xx..x** is a 12 digit IP address and
y..y is a 5 digit number specifying the port. See also the manual of the communicator.

*Example: 013 *8 077.104.220.129 07070 *0*

2. Exit service mode on the control panel.

Important notes:

The setting or change in the parameter is valid after escaping service mode.

The SMS information about a new picture on the server is sent to all phone numbers which are set to get reported event number 01 "Intruder alarm - instant". This information contains a link to the new picture on the server. This feature is available on the JA-80Y from software version XA61009 and on the JA-80V from software version XA64005.

4. LED signalling

After taking a photo using the detector's camera the picture is transmitted to the control panel and subsequently to the JA-80Q module via the digital bus. This is indicated by green LED flashing. Successful transmission is confirmed by a long green flash (2 sec). Unsuccessful transmission is indicated by a series of rapid green flashes at the end.

Having been successfully received by the JA-80Q module, the picture is then transferred via the communicator to the pre-programmed web server. This transfer is indicated by a red LED flashing on the JA-80Q module. Successful transfer is confirmed by a long red flash (2 sec). Unsuccessful transfer is indicated by a series of rapid red flashes at the end.

The overall time needed for the photo to be transferred from the camera to the web server is about 20 seconds. In the case of a weak signal, a delay may occur (due to the data being sent repetitively). Each photo contains a date and time stamp for its creation (the value also depends on the control panel settings). Time synchronization requires at least 60 minutes to have elapsed from the moment of connecting the module.

5. Technical specifications

Power supply	5 V DC (from the control panel)
Stand-by consumption	approx. 2 mA
Environment according to EN 50131-1	Class II indoor-general
Operational temperature	-10 to 40°C
EMC	EN 55022, EN 50130-4