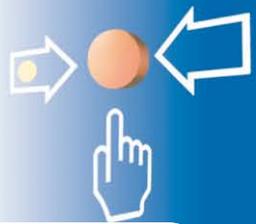


REmote ACcess Tool REACT



- **Remote access to fire detection systems through smartphone, tablet or PC**
- **Clear indication of system events**
- **Convenient operation of system parts**
- **Notification via SMS, e-mail or „Push“ messages**
- **4 different license models**



Description

With the remote access system REACT, the distance to the fire detection control panel does not matter. The indication of the system events or the operation of the fire detection system through a PC, a tablet or a smartphone is possible virtually everywhere – provided that Internet access is available.

With REACT, the work of the user, of the public safety personnel, of a service or of the maintenance staff is definitely made easier. The mobile application provides information – at any time and any place – about the currently existing alarms, faults, disablements or activated fire controls. Since the travel or walk to the fire detection control panel is not necessary, early and location-independent reaction to danger messages or faults is possible.

Since the overview of all system conditions is independent of time and location, there are many possible applications for REACT. The occurrence of an important event – for example a fire alarm – can trigger a message to the user of the system. If the mobile application is able to provide detailed information about the location of the operation or to even show a building plan, the firefighters can already prepare themselves comprehensively for the operation while they are on the way to the object in question. In the same way, a fire prevention officer can explore the area in question on-site and, in the event of a false alarm, reset the control panel directly via smartphone.

In the course of commissioning or maintenance, the

technician can conveniently test detectors by means of the mobile application. One detector zone after another is switched into the test condition via remote operation. After activation of the detector, the occurrence of the test alarm will be shown on the technician's mobile device and will be entered in the maintenance list. For this task, a person who helps on the fire detection control panel is not needed.

Via an IP interface, the fire detection control panel is linked to the local computer network, which usually is connected to the Internet through a firewall. Alternatively, LTE/GPRS or WLAN can also be used for the connection.

On mobile devices, the APP can be downloaded free of charge under the search term Remote Access Tool for the following operating systems:



The web interface of the REmote ACcess Tool can be called up on a PC through any browser, by means of the following web address:

www.remote-access-tool.at

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License models

License 1 – Basic version

The simplest and cost-free license version offers a common indication of the most important events of a fire detection system, for example:

- Alarms from fire detectors
- Faults of system parts
- Disablements
- Detectors and outputs in the test condition
- Activated outputs

It is not possible to operate system parts. The basic license is intended as simple overview of the current system condition. It offers the user information about whether the system is in the normal condition, or whether there are current events, for instance faults.

License 2 – Detailed view

In addition to the common indication, the Detailed view can show all events in detailed form. Switching to the Detailed view is achieved by simply tapping the corresponding event counter button in the overview.

In the Detailed view, every event is shown with the time of the occurrence, the parameterised additional texts and the logic number of the system part as well as a graphic symbol. That means the Detailed view shows the same information as the fire detection control panel.

The Detailed view offers comprehensive information about the current system conditions. Therefore it is ideally suited for informing the user, a fault clearing service or the public safety personnel.

License 3 – Operation and „Push“

In addition to the overview and the detailed view of the system events, this license version includes the operation of the fire detection system. This allows, for example, disabling detectors, switching zones into the test condition, or activating actuators for testing purposes.

System events that occur are sent to the mobile device by means of „Push“ messages, e-mails or SMS messages. In this way, the user is actively informed about events – even if the REACT APP is not running at the moment.

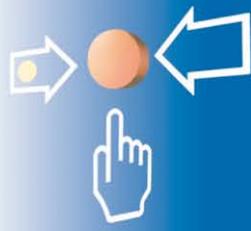
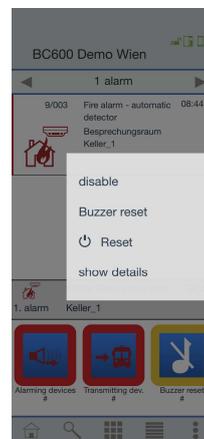
This license version is ideally suited for users who want to be informed immediately about events that occur, or who have to operate system parts. That makes commissioning or maintenance particularly easy. For example, the fire detectors can be tested by a single person.

License 4 – Plan view

The license version „Plan view“ includes the same information and possibilities of operation as the license „Operation and Push“. In addition, the detectors and actuators are graphically indicated on a ground plan or on a fire brigade route map.

Upon occurrence of a fire alarm, detectors and actuators are graphically highlighted. This means, the user has the best possible overview of the current situation.

This license is ideally suited for users or emergency personnel – for example the fire prevention officer or a works fire brigade. Thanks to the indication of the building plan, the dangerous area can be located very easily and quickly.



Paying for the license

For the purchase of the three licenses

- Detailed view,
- Operation and „Push“ as well as
- Plan view

that entail costs, the REACT server offers a webshop.



REACT system management

As a prerequisite for the remote access, the parameters and rights of the clients, users and systems involved must be determined. For this purpose, the web interface of the REremote ACcess Tool offers a graphical user interface with the following possibilities:

- Definition of fire detection systems with remote access,
- Definition of the clients with remote access to the

system,

- Determination of the users of a client.

In the same way, the parameters of existing systems, clients and users can be changed – provided that the authorization required for this is available.

The hierarchically organised client structure can have any number of levels. On every level the rights of the level that lies beneath it can be defined.

System name	System ID	System key	Operating elements	Actuation elements	Client ID	Client name
BC216-Test-LST	129346	2224918397	28	55	7059505	EK1Err1A
BC600-Test-LST	929572	9243375922	36	51	7057983	Endkunde 1

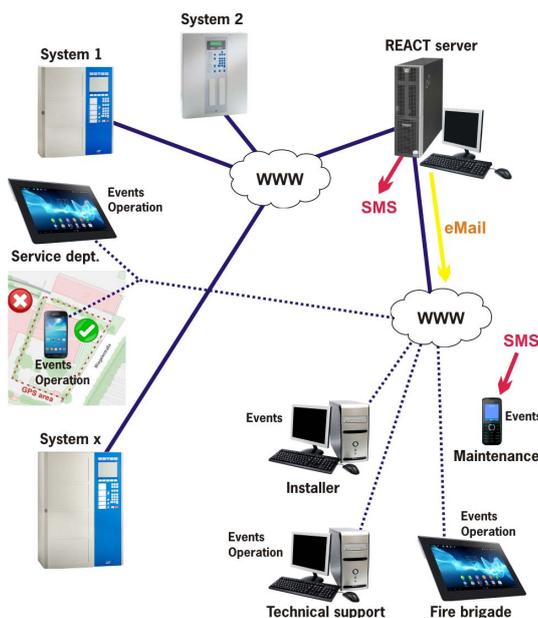
Protection against unauthorized access

The data connection between the mobile device and the control panel is always handled via a server that has been configured for this application and which decouples the communication. For reasons of safety, direct access from the mobile device to the fire detection control panel is prevented.

The server authenticates every user by means of its login credentials. In order to ensure confidentiality of the data, all connections are encrypted using state-of-the-art methods.

For highest demands on safety, the operation of the fire detection system can be even further restricted by assigning individual rights. For example, one or more of the following additional options can be selected:

- On the control panel, authorization level 2 must be active
- Manual enablement on the control panel required
- Mobile device must be within the GPS area of the system
- Mobile device must be logged in to the WLAN of the system
- Only one user may be in authorization



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Interfaces

Current Fire Detection Control Panels Series BC600 come with a LAN interface on the central processing board as standard.

By means of the LAN module, a Fire Detection Control Panel Series BC216 can also be connected to an IP network via a serial interface. As a result, a remote access to the fire detection control panel can be implemented by means of the „REmote ACcess Tool“ REACT.

The module establishes the connection to the REACT server on its own. For the encryption the SSL protocol is used, and a trustworthy server certificate authenticates the REACT server. If the connection is interrupted, the module will automatically attempt to establish it again.

The LAN module comes with a data cable for the connection to the Serial Interface Module SIM216-1, and a plug-in power adaptor.

By means of the LTE module, the REACT interface of a Fire Detection Control Panel Series BC600 or BC216 is connected to a mobile telephone network. The LTE module is needed if the system is not provided with a LAN connection.

For the connection to Fire Detection Control Panels Series BC600, the module is connected to the LAN interface of the ZTB600 by means of a patch cable. For the connection to Fire Detection Control Panels Series



LAN/BC216/REACT-1

LTE/REACT-2

BC216, the LAN Module LAN/BC216/REACT-1 is needed in addition.

The SIM card for the mobile data connection must be obtained by the end customer from the local mobile phone provider. If the mobile phone connection is interrupted, the module will automatically attempt to establish it again. If no LTE network is available, communication according to the UMTS or GSM standard is also possible.

The module comes with a patch cable and a plug-in power adaptor.

Specifications

LAN module BC216

Supply voltage	9 – 30VDC
Current consumption at 24V	typ. 68mA
Ambient temperature	-40°C to +85°C
Dimensions L x W x H	90 x 64 x 23 (mm, without mounting straps)
Weight	200g
Order number	223080
Order name	LAN Module/BC216/REACT LAN/BC216/REACT-1

LTE module

Supply voltage	11– 30VDC
Current consumption at 27V	typ. 100mA
Mobile phone bands LTE (4G)	800 / 900 / 1800 / 1900 / 2100 / 2600MHz
Mobile phone bands UMTS (3G)	850 / 900 / 2100MHz
Mobile phone bands GSM (2G)	850 / 900 / 1800 / 1900MHz
Ambient temperature	-40°C to +60°C
Dimensions W x H x D	85 x 185 x 30 (mm, without base)
Weight	260g
Order number	223083
Order name	LTE Module/REACT LTE/REACT-2

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