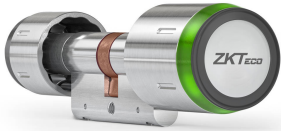


Digital Locking Systems Signalling Guide

CY21 · DH1 · CL · RF Series



CY 21 Series

DH1 Series

CL Series

RF Series



All devices generate both a visual and an acoustic signal.

The small speaker  stands for a short beep tone.

The large speaker  stands for a long beep tone.

Exception: PRO only generates a visual signal.

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Normal operation

Authorised transponder / release



(green-green-green)

A transponder is held in front of the reading field of a terminal device and has an authorisation. How long it lights up depends on the set coupling duration.

Unauthorised transponder / no release



(red-red-red)

An unauthorised transponder is held in front of the reading field of a terminal device and has no authorisation.

System

System: self-test after restart OK



(yellow-green-green)

After successfully performing an automatic restart, the terminal device displays the colour combination yellow-green-green.

System: self-test after restart not OK



(yellow-red-red)

After an unsuccessful automatic restart, the terminal device displays the colour combination yellow-red-red.

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System

System: battery warning level 1



(yellow-red-yellow-red-yellow-red-yellow-green)

When the battery is relatively empty and needs to be changed, the device indicates this with the signal sequence shown opposite.

As soon as the green LED lights up, the door can be opened despite the battery warning level.

Please replace the batteries.

System: battery warning level 2



(yellow-red-yellow-red-yellow-red-yellow-yellow-green)

When the battery is almost empty, the terminal device displays the signal sequence shown opposite.

As soon as the green LED lights up, the authorised transponder must then be held in front of it again. The door can be opened.

Please replace the batteries.

System: battery warning level 3



(yellow-red-yellow-red-yellow-red-yellow-yellow-yellow)

When the battery is almost completely empty, the terminal indicates this with the signal sequence shown opposite. The door can no longer be opened with an authorised transponder. It is possible to open the door in an emergency using the master card or programming card until the battery is completely empty.

The battery must be replaced immediately.

System: battery test at restart



(15x yellow flashing)

After a successful battery change, the terminal device checks the condition of the new battery and displays the colour yellow. The terminal device then displays the signal shown opposite.

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System

System: create master ID card / add device to a system



(yellow-red-green-yellow-blue-yellow)

If you hold a master card in front of a new terminal device and thus connect it to a new system, the signal sequence shown opposite is displayed. The device can also be added to the system using the access control software.

System: remove master ID card / delete device from system



First signal sequence: (blue-green-green)



Second signal sequence: (green-red)



Third signalling: (yellow-red-green-yellow-yellow)

To disconnect the device from the master card and thus remove it from the system, hold the master card in front of the terminal device twice in succession. Please wait for the respective signal sequence. The third time, hold the master card in front of the reading field of the terminal device and leave it there until the terminal device flashes yellow four times in succession (up to 15 seconds). You can now remove the master card from the reading field; the device will reset itself and indicate this with the signal sequence shown opposite. The device can also be removed via software or app. The signal sequence is the same. The device then restarts.

Holding a transponder in front of a new device



(yellow-blue-yellow-blue-yellow (continuously accompanied by the beep tone))

If a transponder is held in front of a device that has not yet been initialised, the device flashes yellow and blue alternately.

Creating a transponder with master card or programming card



(yellow-red-green-yellow-blue-yellow-green)

Hold the master card or programming card in front of the device, then hold the transponders that are to be authorised in front of the device one at a time and wait for each one to flash green once. Finally, the device will flash green three times.

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System

Deleting a transponder with master card or programming card



First signal sequence: (blue-green-green)



Second signal sequence: (green-red)

Hold the master card or programming card twice in front of the device, then hold the transponder in front of the device and wait for the signal. Finally, the device will flash red three times.

Setting the coupling duration with the MID card



First signal sequence: (blue-green-green)



Second signal sequence: (green - x-times yellow (per second) - turquoise)

The coupling duration can be set with the aid of the master card. To do so, the card must be held in front of the terminal device twice (the 1st time: it lights up turquoise and twice green) - and then immediately remove it from the reading field: - (the 2nd time: it lights up green once and yellow once for each additional second) (Please leave the master card in the reading field for the number of seconds you want to set the coupling duration). Finally, the device lights up once turquoise. A maximum of 30 seconds is possible. (With Guard, this process is accompanied by an acoustic signal).

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Special functions

PO: permanently open is activated



(white-green)

If the permanently open transponder is held in front of the terminal device, the terminal device is permanently coupled. The colour combination shown left appears.

PO: permanently open is deactivated



(white-green-red)

When the permanently open transponder is held in front of a terminal device that is already in permanently open mode, the terminal device is returned to normal operating mode. The colour combination shown left appears.

PO: a transponder is held in front of a device that is already in permanently open mode.



(white-green)

If a terminal device is already in PO mode, the colour combination shown left is displayed. The device remains in PO mode.

PO: permanently closed transponder is held in front of a device that is already in permanently open mode.



(white-green-white-red)

If a terminal device is already in PO mode and a permanently closed tag is held in front of the device, the colour combination shown left is displayed. The device goes into permanently closed mode.

PO: permanently open is deactivated, but remains active by holding a permanently open transponder in front of the device or triggering the function in the software, e.g. according to a weekly schedule



(white-green-red-white-green)

If the permanently open transponder is held in front of a terminal device that is already in permanently open mode by a weekly schedule, the terminal device remains in permanently open mode and cannot be set to another operating mode. The colour combination shown left appears.

Special functions

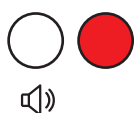
PO: permanently open active -> Ready indicator as configurable function (level 1 to level 3).



(green)

With the permanently open function, it is possible to have the terminal device light up green during this state.

PC: permanently closed activated

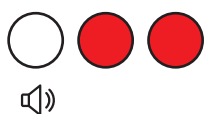


(white-red)

If the permanently closed transponder is held in front of the terminal device, the terminal device is permanently uncoupled.

The colour combination shown left appears.

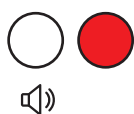
PC: permanently closed is deactivated



(white-red-red)

When the permanently closed transponder is held in front of a terminal device that is already in permanently closed mode, the terminal device is returned to normal operating mode. The colour combination shown left appears.

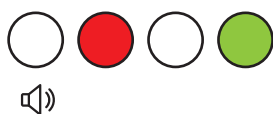
PC: a transponder is held in front of a device that is already in permanently closed mode.



(white-red)

If a terminal device is already in PC mode, the colour combination shown left is displayed. The terminal device remains in PC mode (except for transponders that have received a ZZ 255 authorisation with the software).

Permanently closed is deactivated, but remains active by holding a permanently open transponder in front of the device



(white-red-white-green)

If the permanently closed transponder is held in front of a terminal device that is already in permanently closed mode by a weekly schedule, the terminal device remains in permanently closed mode and cannot be set to another operating mode. The colour combination shown left appears.

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Special functions

PC: permanently closed is deactivated but remains active
(e.g. due to a permanently closed weekly schedule)



(white-red-red-white-red)

By holding a permanently closed transponder or triggering the function in the software, e.g. according to a weekly schedule.

PC: permanently closed active -> Ready indicator as configurable function
(level 1 to level 3).

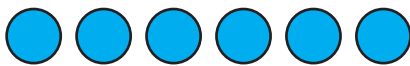


(red)

With the permanently closed function, it is possible to have the terminal device light up red during this state.

Other

Show RF wake-up card (devices assigned to a system)



(6x blue)

Open the wireless interface for 15 seconds with the RF wake-up card. When the RF wake-up card is held in front of the device, the device lights up blue 6 times.

Programming wirelessly (RF Series)



(blue)

If a terminal device is programmed wirelessly and without an RF wake-up card, it lights up blue. The blue LED is switched on for the duration of the data programming. Not for connection attempts and media of the terminal device at the RF Series.

Building locking card



(yellow-green-yellow)

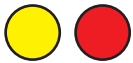
With the building locking card, devices that have not yet been assigned to a system by holding a master card in front of them can be set to the permanently open state or can be set back to the uncoupled neutral state by holding it in front of them again.

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Other

System message e.g. safety circuit, test mode



(yellow-red)

Only: system message / system error

ACM-T: writing / reading transponder data



(4x violet)

While a transponder is being read or written at the ACM terminal, the terminal lights up violet.

Writing / reading transponder data (especially terminals and ITTs)



(4x violet)

While a transponder is being read and written at the ACM ITT, the terminal lights up violet.

Battery change detected



(yellow-green-yellow-green-yellow-green-yellow)

When the battery is changed, the restart signal is given first, followed by the battery change signal.

Battery change card



(yellow-green-yellow-green-yellow-green-yellow)

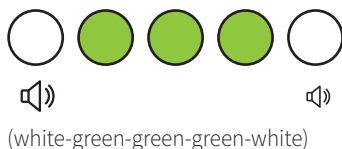
The battery change card is needed to signal the device that a battery change has been made. If the device did not display a battery warning level before, the battery had not yet reached the corresponding critical voltage level.

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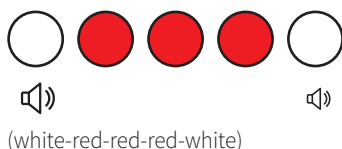
Other

Transponder management card - authorised



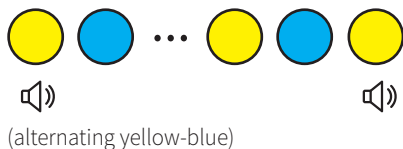
The transponder management card indicates whether the associated transponder is authorised or not. The transponder management card itself has no authorisation.

Transponder management card - unauthorised



The transponder management card indicates whether the associated transponder is authorised or not. The transponder management card itself has no authorisation.

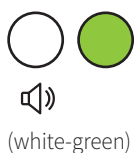
Firmware update



During a firmware update, the terminal device always lights up yellow-blue alternately until the process is completed.

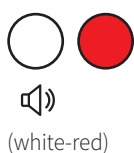
Signalling for the CL

Open end position reached



With this colour combination, the CL signals that the Open end position has been reached.

Closed end position reached



With this colour combination, the CL signals that the Closed end position has been reached.

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Signalling for the wall reader only

Stand-by signalling, default (upper LED only, permanent)



(red, upper LED only)

The ACM is in stand-by mode.

Stand-by signalling, permanently closed (upper LED only, permanent)



(red, upper LED only)

The ACM is in permanently closed mode.

Stand-by signalling, permanently open (upper LED only, permanent) for weekly schedule active, temporary release active, permanently open transponder...)



(green, upper LED only)

The ACM is in permanently open mode.

Signalling for the RF NetManager only

Stand-by signalling, RF Series normal function stand-by; no devices assigned
(upper LED only, permanent)



(blue, upper LED only)

Stand-by mode of the RF Series.

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Signalling for the RF Series only

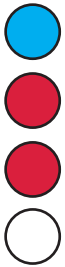
Stand-by signalling, RF Series - connection established to all devices
(upper and lower LED, permanent)



(top blue and two below green)

Stand-by mode of the RF Series. There is a connection to all terminal devices.

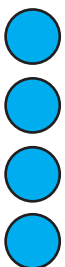
Stand-by signalling, RF Series - no connection to at least one device
(upper and lower LED, permanent)



(top blue and two below red)

Stand-by mode of the RF Series. There is no connection to at least one terminal device.

Signalling for active connection test of the RF Series



(blue running light)

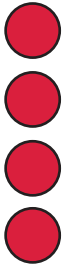
For the duration of a connection test, the RF NetManager lights up blue (running light).

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Signalling for the RF Series only

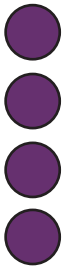
Signalling for active connection test of the RF Series with no connection



(red running light)

No connection can be established to the terminal device.

Signalling for active connection test of the RF Series with poor connection.



(violet running light)

The connection to the terminal device is poor. It is recommended to connect to another RF Series or to position the devices differently.

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Signalling for RF Series only

Signalling for active connection test of the RF Series with average connectivity



(blue running light)

The connection between RF Series and terminal device is OK.

Signalling for active connection test of the RF Series with good connection



(green running light)

The connection between RF Series and terminal device is good.