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Service
Find your individual country contact here

<http://new.abb.com/contact-centers>

End user license agreement is available by scanning the QR code.

Standalone transponder module

DANGER
Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death. Work improperly carried out on current-carrying parts can cause fires.

- Disconnect the mains voltage prior to mounting and dismantling!
- Permit work on the 100-240 V mains network to be carried out only by specialist staff.

- Please read the mounting instructions carefully and keep them for future use.
- Additional user information and information about planning is available at <http://new.abb.com/low-voltage/products/building-automation/product-range/abb-welcome> or by scanning the QR code.

Intended use
This device is a central control panel of the ABB-Welcome system and operates exclusively with components from this system.

Manufacturer
ABB Xiamen Smart Technology Co., Ltd.
Address: No.7 Fangshan South Road, Xiang An, Xiamen, Fujian, China
Post Code: 361000

Technical data

| | |
|-------------------------|--|
| Input (a, b) | 24 V $\overline{\text{AC}}$ |
| Operating voltage range | 20-30 V $\overline{\text{AC}}$ |
| Standby current | 24 V $\overline{\text{AC}}$, 30 mA |
| Operating current | 24 V $\overline{\text{AC}}$, 30 mA |
| Operating temperature | -25 °C...+55 °C |
| Single-wire clamps | 2 x 0.28 mm ² ...2 x 0.75 mm ² |
| Fine-wire clamps | 2 x 0.28 mm ² ...2 x 0.75 mm ² |
| IP level | IP 54 |
| IK level | IK 07 |
| Carrier frequency: | 13.56MHz |
| Carrier field strength: | -1.36dBμA/m @ 3m |

FCC ID: 2AEBL-M2700TP
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. The complete of FCC information is available at the package shipped with the product.

EU declaration of conformity
Hereby, ABB Xiamen Smart Technology Co., Ltd., declares that this Standalone transponder module M2700TP is in compliance with the essential requirements and other relevant provisions of RE Directive 2014/53/EU. The complete of the EU declaration of conformity is available by scanning the QR code.

Operation

| | |
|---|-----------------------|
| 1 | Swiping card position |
|---|-----------------------|

Empty status
If this module has not enrolled any card, it will enter "Empty status" when it is powered on. Transponder module flash in green, orange and red.

| Function | Operation | Note |
|-----------------------------|-------------------|---|
| Create the first admin card | Swipe the card 1x | Transponder LED light green if successful |

Standby status
If this module has enrolled the card, it will enter "Standby status" when it is powered on.

| Function | Operation | Note |
|-------------|-------------------------|--|
| Open a door | Swipe the enrolled card | 1. Lock is connected with switch actuator 2. Switch actuator works in "door opener" mode 3. Switch actuator's address = transponder module address(1-32) |

Setting mode status
On standby status, Swipe the enrolled card (any admin) 1x to enter setting mode status, Transponder module light orange.

| Function | Operation |
|-----------------------|---|
| Create a user card | Swipe any admin card 1x + user card1 + user card2 + ... |
| Delete a user card | Swipe any admin card 2x + user card1 + user card2 + ... |
| Create admin cards | Swipe admin0 3x + admin card1 + admin card2 + ... *Here, admin0 can be replaced by any enrolled admin. |
| Delete admin cards | Swipe any admin card 4x + admin card1 + admin card2 + ... *Any admin card can't delete itself. |
| Delete all user cards | Swipe any admin card 6x |

Transponder module light green if successful.

Connection

| | |
|---|--|
| 1 | Plug-in clamps (a - b) for bus connection and power input |
| 2 | Terminal resistor In video installations or mixed audio and video installations, the Switch must be set as 'RC on' on the last device of the line. |
| 3 | Set the address of this device (1...32) |
| 4 | N/A |