

Access terminal

Applications

- Access control
- Time control
- Time and attendance
- Door management
- Parking control
- Elevator control

Peculiarities and functions

- Different reading methods (magnetic-stripes , induc 65 bit, chip card, proximity (Deister, Feig)
- Size and design identical – with or without pin code keyboard
- Suitable for export, because of different pull through possibilities (vertical or horizontal)
- Available in different colours, special vanishings on wish
- Connection at door control unit XMP-K24 (4 Wire)
- Internal power supply
- Including sabotage contact and signal donator (acoustic)
- Display signals
Operating display: Yellow LED
Authorized: Green LED
Non authorized: Rote LED
- All models available with pin code keyboard
- Easy montage (pluggable connection ledge)

Technical data

Power supply: about 12V ± 5% DC
(powered by XMP-K24)

Current consumption: < 150 mA

Processor: Intel 87C51 8 bit
11.0592 MHz
CMOS-Design

Ambient temperature limits: 0..50°C (without heater)
-20..50°C (with heater)
5..95 % rel. atmospheric humidity
(not condensing)

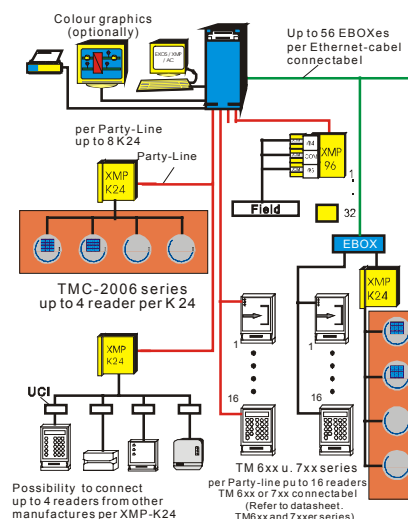
Dimensions

Reader: ø 137 mm x T 48 mm
Flush box: ø 73 mm x T 75 mm
(Flush box only insertable for plug in reader)

protect, administer, achieve



XMP-TMC2006-xxx



Legend

EBOX: to connect up to 3584 additional access terminals. Intelligent local ethernet interface / controller with ethernet-connection. 2 serial interfaces. Power supply 230 V. up to 56 EBOXes to the ethernet-cabelnet connectabel.

XMP-K24: 4 access terminals connectable, up to 512 terminals per computer. Intelligent door-controller unit using RS485 2 wire, party line interface, 8 digital outputs, 16 digital inputs.

UCI: universal interface to connect reader heads with clock/data or data 0/1 interface to an XMP-K24 with RS485.











XMP-96: automation units of the XMP series for 96 data points. per party line up to 32 automation units connectable.

Specifications of TMC-2006 series

Type	Description	Spezial technical data
TMC2006- OOOAE0	Pin-Code-reader without reader subassembly for connection at XMP-K24 door control unit, with pin code keyboard in the surface type casing, dimensions: ø 137 mm x T 48 mm, with RS485interface, sabotage switch, 3 status LED's. Power supply from XMP-K24-W00 or XMP-K24-W01 (12 Volt DC), colour: grey white, RAL9002.	Current consumption (mA) typical: maximum: Protection-type: IP 64
TMC2006- OOOAU0	as TMC 2001 however keyboard area turned around 90 deg.	
TMC2006- MD2AO0	Pull through reader for connection at XMP-K24 door control unit, without pin code keyboard in the surface type casing, dimensions: ø 137 mm x T 48 mm, with RS485 interface, sabotage switch, 3 status LED's. Power supply from XMP-K24-W00 or XMP-K24-W01 (12 V DC), colour: grey white, RAL9002. For magnetic cards track 2 (5 bit ISO or 7 bit SIPASS size)	Current consumption(mA) typical: 61 maximum: 68 Protection type: IP 42
TMC2006- MD2AEO	as TMC 2005, however with pin code keyboard	
TMC2006- MD2AU0	as TMC 2006, however with area turned round 90 deg. The terminals TMC 2005, 2006 and 2007 are also available with reader head for track 1 ISO 7 bit (extra charge: XMP-TMC-211, sees price list) and for track 3 ISO 5 bit (extra charge: XMP-TMC-213, sees price list).	
TMC2006- ME2AO0	Plug in reader for connection at XMP-K24 door control unit, without pin code keyboard, casing dimensions: ø 137 mm x T 48 mm, flush box ø 73 mm x T 75 mm, with RS485interface, sabotage switch, 3 status LED's. power supply from XMP-K24-W00 or XMP-K24-W01 (12 V DC), colour: grey white, RAL9002. Suitable for magnetic plug in reader heads track 2.	Current consumption (mA) typical: 64 maximum: 75 Protection type: IP 42
TMC 2006- ME2AEO	as TMC 2010, however with pin code keyboard	
TMC2006- CHEAO0 (on inquiry)	as TMC 2010 however for plug in reader memory chip card (for example SLE 4428), without pin code keyboard	Current consumption (mA) typical: maximum:
TMC2006- CHEAEO (on inquiry)	as TMC 2011 however for plug in reader memory chip card (for example SLE 4428), with pin code keyboard	Protection type: IP 52
TMC 2006- B65AO0	as XMP-TMC 2010 however with clip relief and induc 65 bit Benzing reader head, without pin code keyboard.	Current consumption (mA) typical: 72 maximum: 79
TMC2006- B65AEO	as XMP-TMC 2011 however with clip relief and induc 65 bit Benzing reader head, with pin code keyboard.	Protection type: IP 52

Type	Description	Special technical data
TMC 2006-HITAOO	Proximity access reader for connection at XMP-K24 door control unit in the surface type casing, without pin code keyboard. Dimensions: \varnothing 137 mm x T 48 mm, with RS485 interface, sabotage switch, 3 status LED's , power supply from XMP-K24-W00 or XMP-K24-W01 (12 V DC), colour: grey white, RAL9002. (Feig readerhead). Distance appr. 15 cm.	Current consumption(mA) typical: 136 maximum: 141 Protection type: IP 64
TMC 2006-HITAEO	as TM 2020 however with pin code keyboard	
TMC 2006-HITAUO	as TMC 2021 however keyboard turned around 90 deg.	
TMC 2006-PRXAOO	Proximity access reader for connection at door control unit XMP-K24 door control in the surface type casing, without pin code keyboard. Dimension: \varnothing 137 mm x T50 mm, with RS485 interface, sabotage switch, 3 status LED's, power supply from XMP-K24-W00 or XMP-K24-W01 (12 V DC), colour: grey white, RAL9002. (Deister-readerhead). Distance appr. 5 cm.	Current consumption (mA) typical: maximum: Protection type: IP 64
TMC 2006-PRXAEO	as TM 2025, however with pin code keyboard	
TMC 2006-PRXAUO	as TMC 2026 however keyboard area turned around 90 deg	

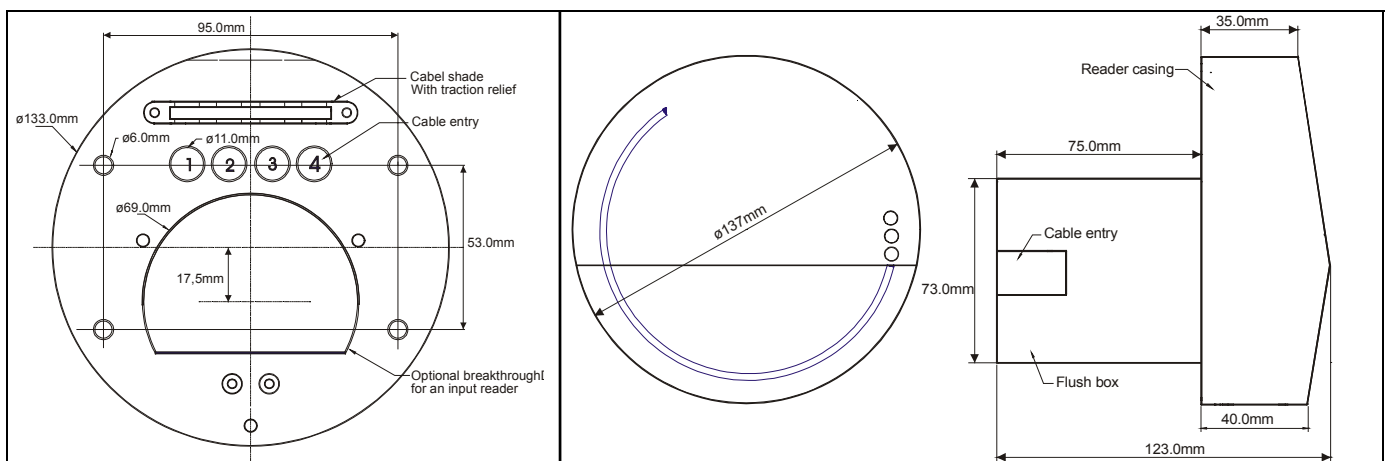
Color palette for plastic casings (Front foil on demand):

	RAL 9002 grey white(standard)		RAL 1021 Kadmium yellow with RAL 1019 grey beige
	RAL 7034 yellow grey		RAL 6017 may green
	RAL 6021 palegreen		RAL 5002 Ultramarin blue
	RAL 5018 Turquoise blue		RAL 3003 Ruby red
	RAL 8014 Sepia brown		RAL 8025 Pale brown

Standard implementation is RAL 9002 (Grauweiß). The other colours are with a minimum order quantity of 20 pieces against extra charge (order-number XMP-TMC-350) available .

Special varnishings (for example "root wood") can also be delivered with a minimum order of 20 pieces (order number XMP-TMC-356).

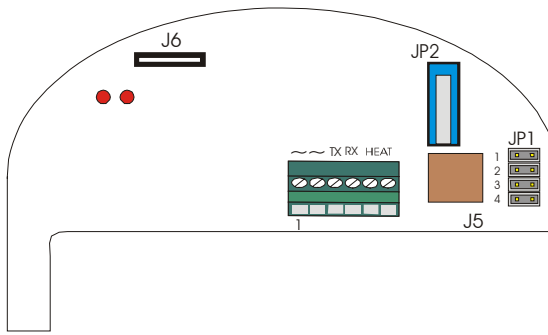
Mounting drawings:



Dimensional drawing of the bottom plate

Front view

Side view
(Flush box
only with plug in reader)



Meaning of Jumper

Jumper block JP1

The jumper block JP1 consists of 2 Jumper pairs.

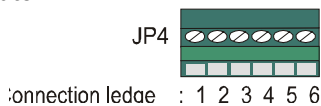


Jumper block J1A

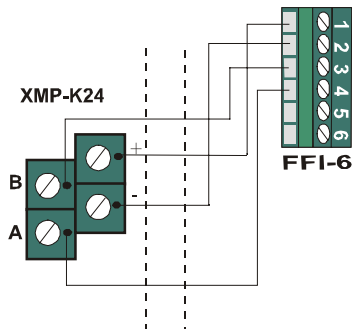
The jumper JA1 is parallel e contact. In the case of plugged jumper the function of sabotage contact will be abolished. Furthermore, an external sabotage contact can be connected here.

The connection clamb block JP4

Example: FFI plate



- 1: + from XMP-K24-reader connection (R1..R4)
- 2: - from XMP-K24-reader connection (R1..R4)
- 3: B from XMP-K24-reader connection (R1..R4)
- 4: A from XMP-K24-raeder connection (R1..R4)
- 5: 24 V AC / 0,5 A (only with built in heating)
- 6: 0 V AC (only with built in heating)



Connection sketch

The connection ledge JP5 serves to the connection of a keyboard, if existing.

The light emitting diods D10 and D11 give information about communication status with the door control unit and they have the following meanings:

D10: Reader transmitters data to the K24

D11: XMP-K24 transmitters data to a reader

Only when both light emitting diodes twinkle the communication to the XMP-K24 runs.

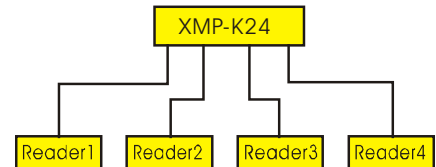
Wiring examples

For the connection of card readers at the XMP-K24 only twisted paired and shielded lines(for example IY(ST)Y 2x2x0,8) have to be used.

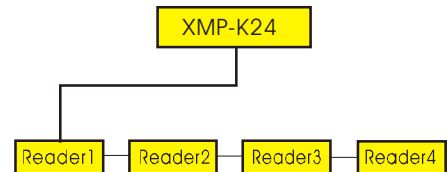
The screen has to be put on both sides. For this please use the sheet metal for the strain leaf.

The maximum cable length amounts 200 meter.

Starlike wiring



Bus wiring



Net construction(Example)

