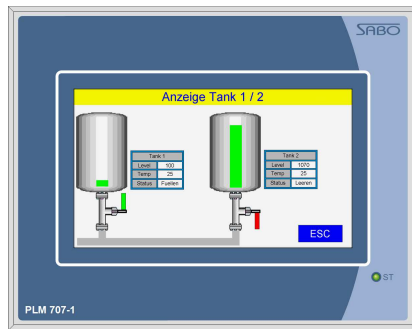


Description:



- **Master Terminal PLM 707-1 with CPU A9/450**
- **4,3" WQVGA Touch Display**
- **TFT 480 x 270 Dots**
- **1x RS232, 1x RS485, 1x CAN**
- **2x USB, 1x Ethernet**
- **1x SD-Memory Card Slot**
- **128 MB RAM, 4 GB FLASH**
- **64 kB Retain**

MTB.707.15 D2

Master Terminal with 4,3" WQVGA Touch Display (TFT, 480 x 270 Dots). Backlight is enabled, when touch is pressed. Backlight deactivation is freely programmable.

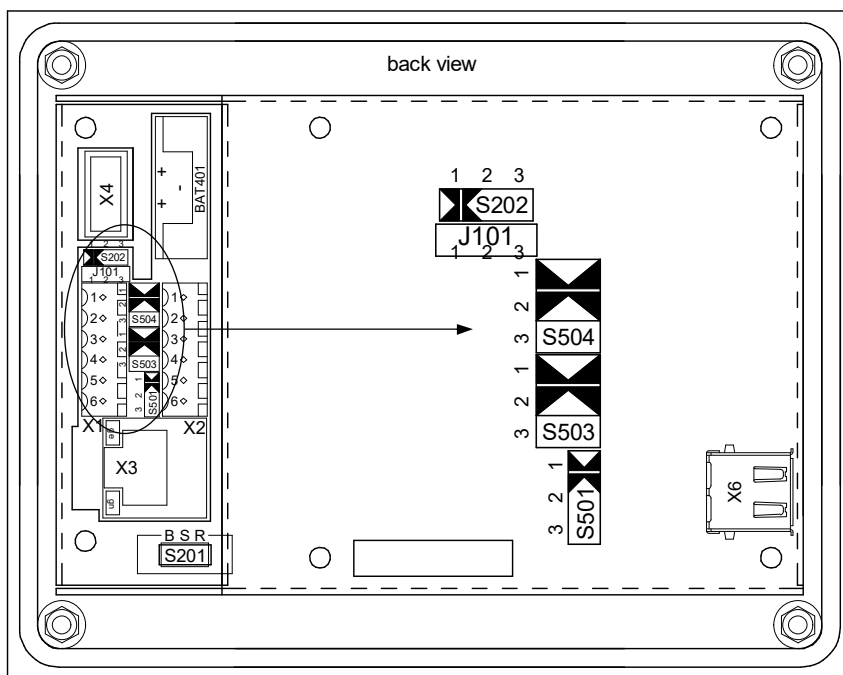
Interfaces:

1x RS 232, 1x RS 485, 1x CAN
2x USB, 1x Ethernet
1x SD Memory Card Slot

128 MB RAM, 4 GB FLASH, 64 kB Retain

Module equipped with pluggable screw-type terminals, aluminum box for circuit cabinet installation.

Terminal Connection:



X4 USB-0

BAT101 battery

X1

- 1 FE
- 2 GND
- 3 24VDC
- 4 DGND
- 5 RS232-0-RX
- 6 RS232-0-TX

X2

- 1 DGND
- 2
- 3 CAN-0-H
- 4 CAN-0-L
- 5 RS485-1-A / RS232-0-CTS
- 6 RS485-1-B / RS232-0-RTS

X3 Ethernet-0

S201 slide switch CPU status

- B Boot ⇨ bootloader active
S Stop ⇨ IEC 1131 user lock
R Run ⇨ auto start

X6 USB-1

Technical Specifications:

Supply

24VDC $\pm 10\%$, max. deviation 5 %

Operating current

Basic device approx. 230 mA

Display

4,3" WQVGA Touch Display, resistive, 4-wire
TFT, 480 x 270 Dots, graphic display

System

Microcontroller CPU A9/450 with
Interface CAN

Memory

128 MB RAM, 4 GB FLASH, 64 kB Retain

Interfaces serial

- 1x RS232 (RX, TX)
- 1x RS485 / RS232 (RTS, CTS)
- 1x CAN BUS
- 1x Ethernet TCP/IP
- 2x USB Host
- 1x SD Memory Slot

Status Indication

1 LED module status indication

Battery 3V / 170 mAh

Durability approx. 2 years (Manufacturer Information), Data preservation during battery change approx. 2 hours.

Realtime Clock

Clock with Date, Data preservation via Battery

Climatic Conditions

storage temperature -10...+70 °C
surrounding area temperature +5...+40 °C
atmospheric moisture until 85 % without condensation according to VDE 0160, EN 50178, Rating 3K3

Protection Category

according to DIN 40050
IP 65 (front side)
IP 20 (back side)

General Informations

Use shielded cables for serial data lines.
The Master Terminal requires sufficient grounding!

SPS Programming

IEC 61131-3 / CODESYS

Mechanical Specifications

Aluminum box for circuit cabinet installation
pluggable screw-type terminals
Dimensions: width x height x depth
142,2 x 112,5 x 50 mm
Weight approx. 350 g

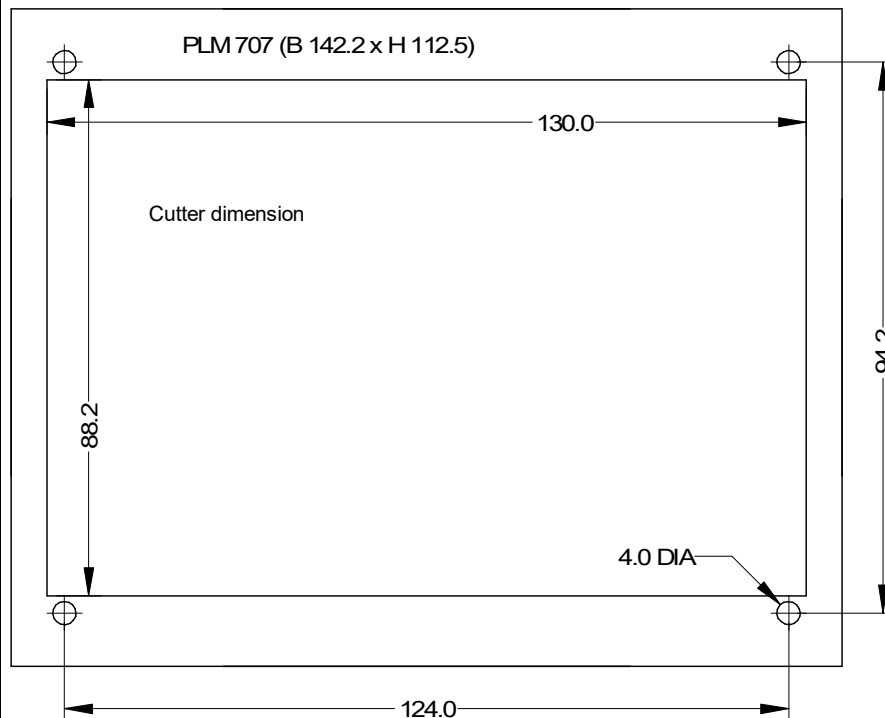
Installation Advices

Please pay attention to the separate informations about EMC-compatible hardware installation in the systems manual of the SABO Elektronik GmbH.

downloadable via <http://www.sabo.de>

Cutout dimensions for circuit cabinet installation:

MTB.707.15 D2



Please note the following cutout dimensions for circuit cabinet installation:

Assembly dimension:
width x height x depth
142,2 x 112,5 x 50 mm

Cutter dimension:
width 130,0 mm x height 88,2 mm

4 drilled holes Ø 4,0 mm
for 4 stud bolts M3

Configuration:

Slide switch watchdog

S202  external watchdog inactive

S202  external watchdog active

Jumper GND / FE

J101  GND connected via 4n7 at FE

J101  GND directly connected at FE

J101  GND and FE disconnected

Changeover switching RS485 or RS232 RTS/CTS

Slide switch S504 for changeover on terminal X2:5 and X2:6
RS485 mode or RS232 (RTS, CTS) mode on terminal X2:5 and X2:6
Combined mode is not possible!

S504  RS485

S504  RS232-RTS/CTS

Slide switch CPU status

S201 **B** Boot bootloader active

S201 **S** Stop IEC 1131 user lock

S201 **R** Run auto start

Slide switch RS485 termination

S503  RS485 no termination

S503  RS485 termination with 150 Ohm + 2 x 300 Ohm

Slide switch CAN-0 termination

S501  CAN-0 no termination

S501  CAN-0 termination with 120 Ohm

Installation Advices:**MTB.707.15 D2****Configuration**

Warning! Please note the internal configuration, the firmware version and mounting details before module installation.

Mounting

Do not plug the extension module when a voltage is supplied, because module damage or data loss are possible.

CAN Bus Termination

In standard termination the microprocessor module respectively the first fieldbus module and in addition the last fieldbus module should be terminated. Maximum two terminations are allowed.

Installation Advices

Please pay attention to the separate informations about EMC-compatible hardware installation in the systems manual of the SABO Elektronik GmbH.

downloadable via <http://www.sabo.de>

Device:

Master Terminal PLM 707-1 with CPU A9/450

Order Code:

MTB.707.15