

Alphanumeric panel with LCD and keyboard

Type	DI	DO	AI	AO	Comm
ID-14					TCL2

Basic features

- Alphanumeric operator panel for programmable controllers Tecomat Foxtrot and Tecomat TC700.
- It has monochromatic backlit LCD with 4×20 characters.
- Keyboard with 25 keys, 6 of them (F1 – F6) can be used as user defined keys.
- There can be up to 4 panels ID-14 connected on the one TCL2 bus.
- Panel enables to display characters in following code pages: CP852, CP1250, CP1251 (Cyrillic), CP1252.
- Programming is done directly in Mosaic in Panel Maker.

Connection

- It can be connected to central module by TCL2 bus up to 300 m via metallic cable.
- Using the fibre optic convertor, it can be connected up to 1.7 km!
- Panel ID-14 can be mechanically fixed with Foxtrot central module in one ensemble and can be placed in the door of control panel.
- The panel is connected to Foxtrot PLC directly through screw-type terminals and to the TC700 series PLC via terminal board KB-0220.
- Unique address on TCL2 bus must be set in the service mode using keyboard and display.

Use

- The operator panel is used for entering commands and parameters, displaying a system status and textual user messages.

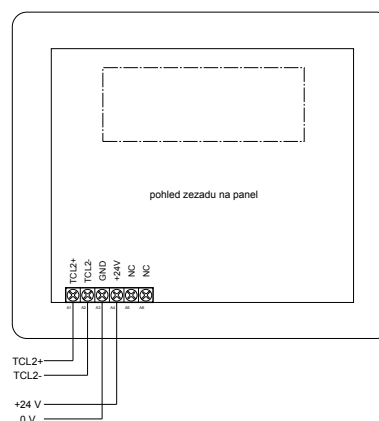
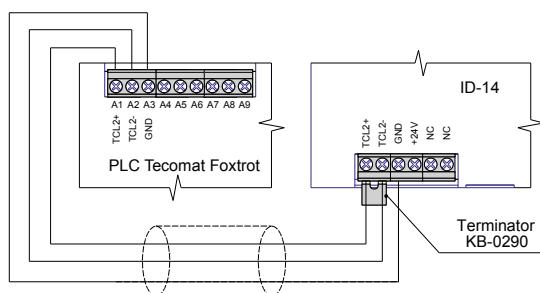


ID-14



ID-14 + CP-1004

Connection example

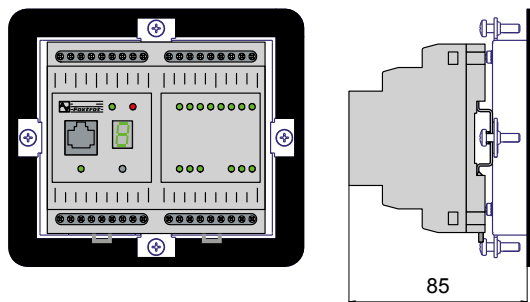


Communication

System I/O bus	1 × TCL2 (RS-485, 345 kbps) up to 300 m
Galvanic isolation of communication	No

Display and Keyboard

Character size	3.5 mm
No. of characters	4 × 20 characters
Keyboard	Membrane
Keys	25 keys 10 × numeric 4 × cursor 6 × functional 5 × other



Operating conditions

Operating temperature	-20 ÷ +55 °C
Storage temperature	-20 ÷ +60 °C
IP Degree of protection IEC 529	IP 54 – front panel IP 20 – whole product
Overvoltage category	II
Degree of pollution IEC EN 60664-1:2004	2
Working position	any
Installation	In control panel doors On DIN rail with SM-9024
Connection	Screw terminals
Conductors cross-section	max. 2.5 mm ²

Dimensions and weight

Dimensions	123 × 141 × 25 mm
Weight	560 g

Power supply

Power supply voltage (SELV)	+24 V DC/125 mA
Allowed range	-15% ÷ +25% (20.4 ÷ 30 V DC)
Max. input power	3 W
Galvanic isolation of power supply	No

Order number

TXN 054 33	ID-14 display 4×20 characters, 25 keys, set for installation in the control panel doors
TXF 790 25	SM-9025 set for DIN rail installation on the ID-14 panel (for compact installation together with CP-100×)
TXF 790 24	SM-9024 set for ID-14 installation on the DIN rail (for installation inside the control panel)
TXN 102 20	KB-0220, terminal board for TCL2 bus connection to TC700