Pixsys Portal – User Guide for HMI

The PixsysPortal service allows the secure connection, via VPN, of Pixsys operator panels based on the Windows CE operating system (TD410-710-810-820-830 models) from any computer with Windows 8.1, 10, 11 (Windows 7 is not supported).

PRE-REQUISITES:

The PixsysPortal service provides that the devices are connected, and properly configured, to a LAN with Internet connection. The ports used by the PixsysPortal service are: 443/ TCP, 500 and 4500 for the L2 TP connection (to be opened "outgoing").

The service includes a "demo" mode that allows a connection, lasting 15 minutes, every 2 hours. After disconnecting, you will then need to wait at least 2 hours before you can make a new connection with the device.

If the operator panel is not equipped with the PixsysPortal service already active, ask your sales representative or <u>sales@pixsys.net</u> a PixsysPortal license cod. **2400.38.001**

A. INSTALLING THE APPLICATION ON YOUR COMPUTER AND CREATING YOUR PixsysPortal ACCOUNT

- To access the reserved area of Pixsys.net and from the PixsysPortal section, download and install PixsysPortal *Installer.exe*

- once started, press on SIGN IN to create your own account and follow the instructions provided (you will have to confirm the activation of the account by clicking on the link that will be provided by the e-mail received)



- then log in with the credentials chosen during account activation.

B. CONFIGURING THE PIXSYS PORTAL SERVICE IN THE OPERATOR PANEL

- To turn on the operator panel and during startup, hold down the STOP symbol that appears at the top right, until the *TdControlPanel starts*.

rDControlPanel V4.5			
WIN EXPLORER Disabled	BACKLIGHT ON = 900 sec.	WINVNC Enabled WD	BACKUP-RESTORE
HMI_MOVICON Enabled	Anonymous Acess FTP Enabled	Korean Font FONT	PUSH MyPixsys
PLC_LOGICLAB Enabled	MQTT Disabled	EMAIL/SMS	WIN PANEL
LAN_ETH1 IP: 192.168.0.248	USB/LAN_ETH2	PIXSYS PORTAL VPN Enabled WD	REBOOT

- press the VPN button to start the general configuration window of the service

VPN PIXSYS PORTAL V4.5			
■ RUN VPN at STARTUP	WATCHDOG		
START VPN	START CONFIG		
KILL VPN			
SAVE			

The *RUN VPN at STARTUP* check enables the PixsysPortal service to start automatically when the operator panel starts.

The *WATCHDOG* check enables continuous control of the correct execution of the service, and in case of anomalies automatically restarts it.

Pressing on START CONFIG bringsup the interface for configuring the PixsysPortal service.

The *General* tab shows the credentials to be used for the registration phase of the operator panel to your PixsysPortal account.

Pixsys Portal CE Runtime	ок 🗙		
General Options License Abou	ıt		
Welcome to Pixsys Portal. Use the credentials below to register this device to your Pixsys Portal account.			
Credentials	Г ^{VPN}		
ID 11	DISCONNECTED		
Password	Disconnect all		

From the *Options* tab you can enter a password that the user will have to enter to be able to connect to the device (if empty you will not need to enter any password).

Pixsys Port	tal CE Runt	ime				ок 🗙
General	Options	License	About			
Password required for VPN connection (must match the password entered on PC client)						
Passwo	rd 🗌		(E	mpty: no p	assword	required)
Allow VPN connection without user confirmation						
						Save

The check *Allow VPN connection* without user confirmation allows the device to connect with the remote PC that requires it, without any necessary action by a user present in front of the operator panel. Without this check, when the remote PC requests to connect, the user in front of the operator panel will have to confirm the popup that appears



otherPCs will see the error "Your device has not responded" in your PC application.

C. ASSOCIATING YOUR DEVICE WITH YOUR PixsysPortal ACCOUNT

- Open Pixsys Portal on your computer
- right click on *Devices* and select *Register device* Devices | Pixsys Portal
- Pixsys Portal



- enter the credentials (*ID* and *Password*) visible in the *General* tab of the PixsysPortal service in the operator panel (see the **paragraph B** this guide) and click on *CONTINUE*

Register dev	ice
Device ID*	
Password*	•
CANCEL	CONTINUE

- give a name to the device and possibly a description and confirm

Register device			
Name* TD810 Irrigazione			
Description Stazione controllo meteo e irrigazione giardino			
CANCEL REGISTER			

At this point the operator terminal just registered to your account will appear in the list of devices.

D. CONNECT REMOTELY TO THE DEVICE

Onceyou start the PixsysPortal application and log in to your account, the list of associated devices is displayed. It is also possible to group the different devices into folders, by right-clicking on the Devices item and selecting *Create Folder*. After that, simply drag the desired device to the newly created folder.



NB: the green icon indicates that the device is reachable from the PixsysPortal servers and therefore it will be possible to make the VPN connection to this; the red icon indicates that the device is offline and therefore not reachable from the PixsysPortal servers. In this case, check the internet connection of the operator panel and its network configurations, possibly turning it off and on again in case of modification of these.

- select a device from online (green icon)

- from the VPN menu on the right click on *Connect* and wait a while, until the status becomes "Connected" and the IP address assigned to that device is displayed.

Devices Pixsys 🖵 TD710			
DNLINE TD710			
Details	Cattura rettangolare		
Options	~		
VPN	^		
Status: Disconnect	ed		
Connect			

At this point, using the IP address indicated by Pixsys Portal, you can connect to the operator panel with the development software or, using the icons that appear at the top above the menus on the right:

- View its remote desktop using the VNC icon
- Start a file transfer using the File transfer icon
- View the WebServer, if enabled in the operator panel, via the Web icon

DNLINE TD710	VNC File Web	
VPN	^	
Status:	Connected	
lp address:	10.254.254.10	
Disconnect		

Through the *Details* menu you can check the status of the license, the date of the last access to the PixsysPortal servers and its last IP, its location, system information such as the product code and the versions of the different software installed

TD810 Irriga	zione	
tails		
ld:	11	
Name:	TD810 Irrigazione	
Description:		
Last access:	2021-07-14 09:40:26	
Last IP:	5.91.30.7	
Product key:		
Runtime version:	1.2.0	
System info:	Product Name: TD810R2 OS Version: 3.4 LogicLab Version: 2.6.11 Movicon Version: 11.5.1183.0	

E. SHARE YOUR DEVICE WITH OTHER PixsysPortal accounts

Through the *Users* menu you can share the operator panel with other PixsysPortal users (i.e. accounts already registered with the PixsysPortal service). The device can be shared as a *simple user* or *owner*:

- *Simple user*: The account that "gets" the device can check its connection status and details, as well as make the VPN connection to it. You can NOT share your device with other users.
- *Owner*: the account that "gets" the device can perform the possible operations as a simple user but also share the device with other PixsysPortal users as well as delete a specific user from the owners of the device itself

The PixsysPortal user who "gets" the device will receive a red dot notification on his PixsysPortal application next to his username



By clicking on your name, the drop-down menu showsandrà the same red dot also on the item *Sharing* requests, clicking on this item, a window will open showing any sharing requests received but not yet accepted

Share requests			
	User	Device	
~ ×	edp@pixsys.net	PL700 - P092000C0192200	
~ ×	edp@pixsys.net	PL700 - P052100C0488200	
Ċ		CLOSE	

At this point, through the icons "check green" or "red cross" you can decide whether to accept or discard the request to share the device.